

Appendices Volume I

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Appendix A

Departmental Questionnaires

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	BOK Center & Tulsa Convention Center (SMG Tulsa)
CONTACT PERSON:	John Dodd
PHONE:	918-894-4270
EMAIL	jdodd@smgtulsa.com

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

We provide ADA Seating for Events in the BOK Center & Tulsa Convention Center.

We offer Assisted Listening Devices for all Arena Events.

We offer wheelchair assistance for all Events.

We offer Interpreters for Events with enough prior notification (three (3) weeks is posted on our website).

2. Are all programs offered by your department available to someone with a:

Yes.

a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)

b. Sensory challenge? (Visual loss or hearing loss)

c. Cognitive challenge?

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

Accommodations are the same just limited to certain areas due to construction of the Buildings.

We provide an ease of access areas for wheelchairs, gurneys, and service animals. We have a designated area for Guests needing Interpreters.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity?

All ADA and / Disability Tickets must be purchased via e-mail, phone, or in person at the BOK Center Box Office and is not offered on-line. These tickets are not offered on-line due to limited numbers and keeping them from those that do not have a disability and need for these tickets.

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

If they do not want ADA and/or Disability Seating then yes they may purchase tickets on-line.

6. Are any additional costs required for someone to participate in the programs, services or activities?

No additional cost to the Guests. All costs are absorbed by the BOK Center, Tulsa Convention Center, or Promoter (Client) of the Event.

7. Are reasonable modifications necessary to provide programs, services and activities?

Yes for Guests needing Interpreters.

8. Does your department offer any licensing or certifications to citizens?

No.

- a. What licenses or certificates are offered?

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

Yes, the Communications aspect breaks down along with the Technology.

10. Is the building your program is in owned by the city or leased?

Owned by the City and Managed by a Private Management Company.

- a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

We provide Assisted Listening Devices, Qualified Interpreters, and Exchange of Written Notes.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

We have Large Print Materials for our A-Z Guide, and Brail on identifying signs throughout the Buildings.

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

There are no TDD's for use, but there are computer terminals and Guest Services and SMG Staff in the building when Guests are in the Building.

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

Yes, the A-Z Guide.

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

Yes, the Public Service Announcement prior to all Events.

16. What policies and procedures are in place for each program?

There are Standard Policies based on our A-Z Guide, our Employee Handbooks, and Law.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes. For two (2) years. Yes at Public Facility Management School provided by IAAM. I have missed one (1) meeting and if not available I send Representative.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Building and Facilities Maintenance
CONTACT PERSON:	Thomas M. Chandler
PHONE:	(918) 527-0209, (918) 596-9389
EMAIL	tchandler@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them: **Our department provides facility maintenance (HVAC, Electrical, Plumbing and Building) to properties owned by the City of Tulsa.**

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
- b. Sensory challenge? (Visual loss or hearing loss)
- c. Cognitive challenge?

Of the City Facilities that we provide service to some, not all have public accommodations providing accessibility to ensure usability of our facilities and provide auxiliary aids to ensure effective communication with persons who have hearing, vision or speech impairments where it does not constitute an undue burden.

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

Of the City Facilities that we provide service to some/not all have public accommodations providing accessibility to ensure usability of our facilities and provide auxiliary aids to

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

ensure effective communication with persons who have hearing, vision or speech impairments where it does not constitute an undue burden.

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity? **Because we provide service to our City facilities in the HVAC, Electrical, Plumbing and Building trades and not programs for outside interested person to participate in we provide reasonable accommodations to persons with disabilities such as job restructuring and modification of equipment if the person is otherwise qualified for the job.**

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? **N/A**

6. Are any additional costs required for someone to participate in the programs, services or activities? **N/A**

7. Are reasonable modifications necessary to provide programs, services and activities? **N/A**

7. Does your department offer any licensing or certifications to citizens? **No**
 - a. What licenses or certificates are offered? **N/A**

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? **N/A**

10. Is the building your program is in owned by the city or leased? **Yes, One Technology Center.**
 - a. If the building is leased, who is it leased from? **N/A**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.) **Would not be provided by our group.**

12. 12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) **Would not be provided by our group.**

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.) **Would not be provided by our group.**

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? **Because we provide service to our City facilities in the HVAC, Electrical, Plumbing and Building trades and not programs for outside interested person to participate in we provide reasonable accommodations to persons with disabilities such as job restructuring and modification of equipment if the person is otherwise qualified for the job.**

15. Do any of the programs have any audio/visual media that is offered to employees or to the public? **Would not be provided by our group.**

16. What policies and procedures are in place for each program? **N/A**

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa? **1.) Yes 2.) Since the program started. 3.) Yes 4.) Yes**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

Self-Evaluation Reporting Form

DEPARTMENT:	Tulsa City Council Office
CONTACT PERSON:	Allecia Chatman-Ratliff
PHONE:	918-596-1979
EMAIL	aratliff@tulsacouncil.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
2. Are all programs offered by your department available to someone with a:
 - a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
Yes
 - b. Sensory challenge? (Visual loss or hearing loss)
Yes
 - c. Cognitive challenge?
Yes
3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.
The same accommodations are offered to all citizens but can be modified to accommodate citizens with disabilities if necessary.
4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?
No

Self-Evaluation Reporting Form

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?
6. Are any additional costs required for someone to participate in the programs, services or activities? **No**
7. Are reasonable modifications necessary to provide programs, services and activities?
No
8. Does your department offer any licensing or certifications to citizens? **No**
 - a. What licenses or certificates are offered?
9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? **No**
10. Is the building your program is in owned by the city or leased? **Owned by COT**
 - a. If the building is leased, who is it leased from?
11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.) **Written materials are available. Most council meetings are televised and capable of closed captioning.**
12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) **All committee and standard meetings are available on CD for citizen’s review. Council staff is available to assist citizens with visual impairments.**

Self-Evaluation Reporting Form

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)
Computer terminals, communication boards
14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? **Yes**
15. Do any of the programs have any audio/visual media that is offered to employees or to the public? **Audio/Visual media**
16. What policies and procedures are in place for each program? **None**
17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa? A) **Yes** B) **Recently assigned** C) **No** D) **No**

Self-Evaluation Reporting Form

DEPARTMENT:	Communications
CONTACT PERSON:	Lara Christiansen
PHONE:	918-596-7804
EMAIL	lchristiansen@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

We provide communication at the City of Tulsa both internally and externally in various forms: the City website, intranet and employee emails and newsletters, written documents and news releases, media interviews, news conferences and public events. We inform the public and City employees about City services, and we provide support for Mayoral initiatives.

The City of Tulsa website is ADA compliant for accessibility.

2. Are all programs offered by your department available to someone with a:

a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)

Yes. When we are aware that someone has a disability, we would schedule a meeting with that person making sure that he or she could fully participate. We could go down to the Second Floor lobby of City Hall to meet him or her. City Hall is equipped with curb ramps and the elevators have Braille on the buttons and a voice announcing each floor.

We make sure that public meetings are in facilities that have accommodation for disabilities, mainly elevators to a meeting room if it is above ground level.

b. Sensory challenge? (Visual loss or hearing loss) **We could arrange for a sign language interpreter to be at a public meeting if we were notified that a person with hearing loss would be attending.**

Self-Evaluation Reporting Form

If we had a meeting with someone with visual loss, we would describe the surroundings including where to sit or walk. At a public meeting, we could do the same thing to accommodate someone with visual loss the best we could. The person may have either a friend or service animal to help him.

c. Cognitive challenge? **We would follow guidelines from the ADA training: avoid “yes or no” questions because these individuals feel pressure to say yes to please the other person. Ask short questions that require a short answer. Examples would be someone with a learning disability or Down’s Syndrome.**

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

They are basically the same, except that we would adapt the form of communication differently depending on the particular disability that someone has.

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity? **No.**

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? **We do not offer separate programs for people with disabilities.**

6. Are any additional costs required for someone to participate in the programs, services or activities? **No. If a sign-language interpreter or other assistance is necessary, the service would be provided at the City’s expense.**

7. Are reasonable modifications necessary to provide programs, services and activities? **We would adapt our method of communication as best we could to serve someone with a disability.**

8. Does your department offer any licensing or certifications to citizens? **No**

a. What licenses or certificates are offered? **n/a**

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? **No.**

Self-Evaluation Reporting Form

10. Is the building your program is in owned by the city or leased? **City-owned**
- a. If the building is leased, who is it leased from? **n/a**
11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.) **We use the written word for a lot of our communication. This would be very accessible to someone with a hearing impairment. Otherwise, we could provide qualified interpreters or other assistance.**
12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) **We don't have as much for individuals with visual impairments. We would describe surroundings at both private and public meetings, and the elevators in City Hall have Braille on the buttons and a voice to announce each floor and the direction the elevator is going.**
13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.) **We have computers that could be accessible to these individuals.**
14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? **Yes. That is a lot of what we do, although it may be in the form of emailed documents or website content, which can be printed on paper.**
15. Do any of the programs have any audio/visual media that is offered to employees or to the public? **In addition to the City website, we manage the City's YouTube account, which has audio/visual material accessible to the public.**
16. What policies and procedures are in place for each program? **Our policy is that we provide a public service to communicate about the City's services and programs. We play a major role in public access to information about the City of Tulsa. Our department controls content on the City website, and the City's YouTube account, as well as social media such as Facebook and Twitter.**

Self-Evaluation Reporting Form

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes. I serve as the ADA Coordinator for Communications. I've been in this role for several months, mostly since the City began the Self-Evaluation and Transition Plan. I didn't really know about it until then. I attended the ADA training in August 2010, and I am my department's designee for the Steering Committee.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Equipment Management Department
CONTACT PERSON:	John Reel
PHONE:	918-596-9815
EMAIL	jreel@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

Equipment Management,

2. Are all programs offered by your department available to someone with a:

a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)- **Would not be a problem**

b. Sensory challenge? (Visual loss or hearing loss)- **Hearing loss would not be an issue, visual loss would present a challenge for mechanics jobs.**

c. Cognitive challenge?- **Might be an issue**

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

They would be the same. Office work would be same both ways, but the mechanic work might present a challenge.

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

Mechanic Work and some of the other tasks in EMD would be a problem for certain types of disabilities.

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

6. Are any additional costs required for someone to participate in the programs, services or activities?

No

7. Are reasonable modifications necessary to provide programs, services and activities?

No

8. Does your department offer any licensing or certifications to citizens?

No

a. What licenses or certificates are offered?

n/a

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

None that I am aware of.

10. Is the building your program is in owned by the city or leased?

Owned

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

None at the present time, I'm sure accommodations could be made if the situation arose.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

None at the present time, I'm sure accommodations could be made if the situation arose.

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

None at the present time, I'm sure accommodations could be made if the situation arose.

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

None at the present time

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

None at the present time

16. What policies and procedures are in place for each program?

City of Tulsa Policies and Procedures.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes, John Reel. A couple of months. Attended one class. Not attended meetings yet, but will begin.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Finance
CONTACT PERSON:	Wendy Martin
PHONE:	596-7508
EMAIL	wzmartin@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

- **Accounting for City revenues, expenditures, assets, and liabilities;**
- **Preparing and administering the annual budget;**
- **Processing all requests for purchase of goods and services**
- **Sale of surplus through annual auction**
- **Issuance of regulatory licenses**
- **Maintaining and securing the highest possible prudent return on the City's investment portfolio;**
- **Payroll processing**
- **Assuring timely payment of the City's bills, claims, and debt liabilities;**
- **Developing and monitoring the City's annual capital plan**
- **Maintaining and providing copies of all official and financial documents;**
- **Developing and implementing financial policies and programs consistent with legal requirements; and**
- **Administrating the City of Tulsa and authorities' debt programs.**

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics) **Yes**
- b. Sensory challenge? (Visual loss or hearing loss) **Yes**
- c. Cognitive challenge? **Yes**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

All programs currently offered are the same.

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity?

No

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

N/A

6. Are any additional costs required for someone to participate in the programs, services or activities?

If we learned that someone needed accommodations not currently provided there could be additional costs involved.

7. Are reasonable modifications necessary to provide programs, services and activities?

Yes. Currently a golf cart is provided at the surplus yard for folks with walking difficulties, but the option to ride the golf cart is provided to all citizens. The auction entryway is oriented to the side of the building with a ramp for wheel chair access if required. A counter at the cashier window is lowered for accessibility.

What if someone uses a wheelchair and is unable to transfer onto a golf cart?

8. Does your department offer any licensing or certifications to citizens?

Yes

- a. What licenses or certificates are offered?
- ♦ **Animal Licenses**
 - ♦ **Beer Sales Licenses**
 - ♦ **Coin Operated Device Decals**
 - ♦ **First Response Certificates (intrusion alarms)**
 - ♦ **Food Establishment Licenses**
 - ♦ **Hotel Licenses**
 - ♦ **Loading Zone Parking Permits**
 - ♦ **Massage Licenses**
 - ♦ **Mixed Beverage Licenses**
 - ♦ **Outdoor Seller Licenses**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

- ♦ **Package Store and Other Liquor Licenses**
- ♦ **Pawn Broker Licenses**
- ♦ **Recreation Center & Operator Licenses**
- ♦ **Sexually Oriented Business Licenses**
- ♦ **Taxi and Paratransit Chauffeur Licenses**
- ♦ **Taxicab and Paratransit Vehicle Licenses**
- ♦ **Taxicab and Paratransit Company Licenses**
- ♦ **Waste Collection Vehicle Licenses**
- ♦ **Contractor Prequalification Licenses**

Testing required for licensing needs

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

No

10. Is the building your program is in owned by the city or leased?

The buildings are owned by the City.

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

None

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

None

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

None

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

Yes

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

Yes

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

16. What policies and procedures are in place for each program?

Our policy would be to make reasonable accommodations if necessary.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

A designee has been in place since 1999. Multiple designees have been performing the ADA function since 1999 through today. The current ADA coordinator has attended the training offered by the City of Tulsa and has been attending the Self-Evaluation and Transition Plan for the City of Tulsa.

**PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE
TO BE COMPLETED BY DEPARTMENTAL COORDINATOR**

Please return to Mike H. Smith
michaelsmith@cityoftulsa.org
918-596-7824

DEPARTMENT:	Tulsa Fire Department
CONTACT PERSON:	Timothy L. Smallwood
PHONE:	918-596-9418
EMAIL	tsmallwood@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

NA

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
- b. Sensory challenge? (Visual loss or hearing loss)
- c. Cognitive challenge?

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

NA

A person being employed with the Tulsa Fire Department can not have any disabilities that would prevent him or her from doing the job as a firefighter.

**PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE
TO BE COMPLETED BY DEPARTMENTAL COORDINATOR**

Please return to Mike H. Smith
michaelsmith@cityoftulsa.org
918-596-7824

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity?

NA

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

NA

6. Are any additional costs required for someone to participate in the programs, services or activities?

NA

7. Are reasonable modifications necessary to provide programs, services and activities?

NA

8. Does your department offer any licensing or certifications to citizens?

NA

- a. What licenses or certificates are offered?

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

NA

10. Is the building your program is in owned by the city or leased?

owned

- a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

NA

**PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE
TO BE COMPLETED BY DEPARTMENTAL COORDINATOR**

Please return to Mike H. Smith
michaelsmith@cityoftulsa.org
918-596-7824

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

NA

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

NA

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

NA

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

NA

16. What policies and procedures are in place for each program?

NA

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes – 1 month.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Gilcrease Museum	
CONTACT PERSON:	Duane H. King Executive Director	Mark Zumwalt Maintenance Foreman
PHONE:	918-596-2710	918-596-2775
EMAIL	<u>Duane-king@utulsa.edu</u>	<u>mark-zumwalt@utulsa.edu</u>

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
As a public facility and world-renowned institution, Gilcrease Museum strives to offer stimulating exhibitions of the art of the Americas and educational programming opportunities for all ages and abilities.

Included in the offerings at the museum are:

**Exhibitions of permanent and loaned art, artifacts and archival materials,
Public, school and private tours of the galleries and formal gardens,
Audio tours of the galleries and selected special exhibitions,
Art workshops and studio classes for children, teens, individuals and families,
Symposiums, gallery talks, lectures, artists' demonstrations,
Live performances – both theatrical and musical,
Summer and fall Gilcrease Camps for children,
Monthly Sunday matinee films tailored for all ages,
Hands-on gallery material (gallery guides, SmArt Cards, Trailblazer bags, videos),
Art Blast Saturday – a day of activities, music, games, workshops and food,
Scholarly Publications such as the Gilcrease Journal and exhibition catalogues,
Museum Memberships and sponsorship opportunities,
Public and private event catering services, offered through a contractual agreement between the university and Sodexo, is available to the public.
Retail shopping for visitors,
Wheelchairs and ramps are available for those with physical challenges.**

2. Are all programs offered by your department available to someone with a:
 - a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
Yes – All areas of the museum and formal gardens are barrier-free and accessible by those with physical challenges.

**Areas of Stuart Park have limited accessibility for the physically challenged.
Walking trails are provided throughout the park, but the main entrance leading**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

down to the lower park from the upper level is provided by stairs. Vehicle access to the lower portion of Stuart Park is available but the visitor must make arrangements in advance. A parking pad is available in Stuart Park.

b. Sensory challenge? (Visual loss or hearing loss)

Yes - For the visually or hearing impaired, special needs tours of the galleries and gardens may be arranged with advanced notice.

c. Cognitive challenge?

Yes.

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

All programs offered at the museum are available to those with disabilities. The museum's auditorium is wheelchair accessible and has six areas designated for those in wheelchairs. The auditorium stage has a wheelchair lift adjacent to the stage to allow access to the stage.

If requested, special or private tours of the galleries and gardens for the visually or hearing impaired for groups or individuals may be scheduled with prior arrangement with the tour coordinator.

Free public docent-led tours of the galleries are provided daily at 2:00 p.m.

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?

At this time, Gilcrease does not offer separate programs for those with disabilities. All are welcome to visit the exhibitions or participate in any of the events or educational program offerings at Gilcrease.

5. If a "separate" program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

Yes, if a program is ever offered.

6. Are any additional costs required for someone to participate in the programs, services or activities?

The museum charges a general admission fee to visitors. The first Tuesday of each month, Gilcrease offers free admission to all visitors. Members of the museum and school groups receive free admission. A free, one-year Charter membership is available to anyone visiting the museum.

Most activities and educational programming offered at the museum are free and open to the public. Some fees are charged for art studio workshops, classes, Camp Gilcrease,

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

etc. The museum provides scholarships to families with low income or hardships to allow their children to participate in fee-based programming offered at the museum.

7. Are reasonable modifications necessary to provide programs, services and activities?
Yes – Access to Stuart Park from the park’s main entrance on the upper level is needed.

8. Does your department offer any licensing or certifications to citizens?

No

a. What licenses or certificates are offered?

N/A

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

The wheelchairs for museum visitors are available at no cost at the admission desk. The chairs are worn and outdated. The child strollers have broken and none are available at this time.

The public space on the lower floor of the Gilcrease house is handicapped accessible and ADA compliant. A ramp to the entrance of the house is available. The second floor of the Gilcrease house is used for storage and is not ADA compliant.

10. Is the building your program is in owned by the city or leased?

The City of Tulsa owns the building, grounds and Thomas Gilcrease’s home that is located on the property. The first floor of the Gilcrease house is primarily used for the museum’s educational workshops and classes. Occasional private and public events are scheduled on the first floor of the house and throughout its gardens.

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

Gilcrease provides written gallery guides, text labels and audio tours. Language translators and “signing” interpreters may be provided upon availability and advanced request by the visitor.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

Directional signage, including brail, is posted in the galleries and elevators. Gallery text labels are printed in a large format for ease of readability. Guest Services Representatives are stationed throughout the galleries to assist visitors as needed.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

None at this time.

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

The Gilcrease website and Members Newsletter distributed to employees, museum members and the public list the barrier free access to the facility and grounds and all exhibitions and programs offered by the museum.

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

Yes – Gilcrease's website list information about the museum and its programs.

16. What policies and procedures are in place for each program?

Gilcrease Museum is ultimately governed as stipulated in the Amended Trust Indenture of January 27, 1955 when Thomas Gilcrease deeded his collection to the City of Tulsa.

Trustees, volunteer, and staff members must assure that, as programs are developed, such programs support the mission and public trust responsibilities of the museum. All exhibitions should be founded on scholarship and marked by intellectual integrity.

In addition to abiding by the museum's Code of Ethics, trustees, volunteers, and staff members adhere to the museum's collections management policy and TU's personnel policy and procedures manual. All museum policies have been guided by the AAM Code of Ethics for Museums and the AAMD Professional Practices in Art Museums.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Under the current management agreement between the City of Tulsa and The University of Tulsa, the university is responsible for the day-to-day operations of the museum. The museum staff adheres to all university policies, procedures, regulations and applicable federal, state, and city laws and ordinances.

Duane King coordinates with university leadership in the management of the museum. As for the museum's physical plant needs, Mark Zumwalt, the museum's maintenance foreman, ensures that the museum's equipment and physical accessibility are ADA compliant and reports any deficiencies to Dr. King.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Grants Administration
CONTACT PERSON:	Gretchen Mudoga
PHONE:	918-596-2604
EMAIL	gmudoga@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
Community Development Block Grants (CDBG), Emergency Shelter Grants (ESG), HOME Investment Partnership Grants (HOME), Housing Opportunities for Persons with Aids (HOPWA) , Homelessness Prevention and Rapid Re-Housing Program (HPRP). Monitoring of Federal Entitlement Grants.

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics) - **Yes**
- b. Sensory challenge? (Visual loss or hearing loss)- **Yes**
- c. Cognitive challenge?- **Yes**

Program services offered by subrecipients may have criteria for participation in their programs based upon the type of activities included in their programs. However, no program is allowed to deny participation solely on the basis of any of the above criteria.

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

The programs are offered to participants regardless of Disability.

Per our written agreements with subrecipients, we require the following:

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

The Subrecipient must maintain client data demonstrating client eligibility for services provided. Such data shall include, but not be limited, to client name, address, income level or other basis for such determining eligibility, and a description of service provided.

The Subrecipient must agree to comply with all Federal regulations issued pursuant to compliance with Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794), which prohibits discrimination against the individuals with disabilities or handicaps in any Federally assisted program. DGA shall provide the Subrecipient with any guidelines necessary for compliance with that portion of the regulations in force during the term of each Agreement.

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity?

There is one program HOPWA that is specifically for persons with AIDS and their families. This is a Federal Mandate.

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

HOPWA is for those who choose to participate and receive the assistance. They can utilize any other “mainstream programs” for people with AIDS.

6. Are any additional costs required for someone to participate in the programs, services or activities? – **Most agencies that are funded with entitlement grant funds are offered at no cost to the participant.**

7. Are reasonable modifications necessary to provide programs, services and activities? – **Yes, by request when needed.**

8. Does your department offer any licensing or certifications to citizens? - **No**

a. What licenses or certificates are offered?

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? - **Unknown**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

10. Is the building your program is in owned by the city or leased? **Owned by the City- Department of Grants Administration is housed in the OTC.**

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

As for any public meetings held by the City of Tulsa, DGA offers to assist with anyone requiring special accommodations. A specific person and contact information is provided with all public notices for these public meetings.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

For any public meetings DGA offers to assist with anyone requiring special accommodations. (See above)

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

For any public meetings DGA offers to assist with anyone requiring special accommodations. (See above)

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? - **Yes**

15. Do any of the programs have any audio/visual media that is offered to employees or to the public? -**Yes**

16. What policies and procedures are in place for each program? - ??

I found this on the City's website under **Accessibility** (link at the bottom of page).

Accessibility Policy - The pages on this Web site should be accessible to individuals with disabilities in accordance with Section 508 of the Rehabilitation Act. Where possible, they are also in compliance with the World Wide Web Consortium's (W3C) AAA standard.

Images on our Web site are accompanied by alternative text describing graphics if your browser supports the alt-text function. Documents on our Web site are presented in many formats. These formats are generally accessible to users using screen reading software. Some files are posted as Adobe Acrobat PDF (Portable Document Format) files.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes, the department has designated an ADA Coordinator. This person has only attended one meeting. No ADA related trainings have been attended, only one meeting for the Self Evaluation and Transition Plan.

**PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE
TO BE COMPLETED BY DEPARTMENTAL COORDINATOR**

Please return to Mike H. Smith
michaelsmith@cityoftulsa.org
918-596-7824

DEPARTMENT:	Human Resources
CONTACT PERSON:	Jackson Landrum
PHONE:	596-7432
EMAIL	jwlandrum@ci.tulsa.ok.us

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
 - Employment
 - Training
 - Retirement and Benefits
 - Workers Compensation
 - Support
 - Safety

2. Are all programs offered by your department available to someone with a:
 - a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics) Yes
 - b. Sensory challenge? (Visual loss or hearing loss) Yes
 - c. Cognitive challenge? Yes

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain. Different, the alternative job placement program (AJP) is considered a reasonable accommodation

**PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE
TO BE COMPLETED BY DEPARTMENTAL COORDINATOR**

Please return to Mike H. Smith
michaelsmith@cityoftulsa.org
918-596-7824

for a current employee who is unable to continuing doing their current position due to a disability.

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity? N/A
5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? Yes
6. Are any additional costs required for someone to participate in the programs, services or activities? No
7. Are reasonable modifications necessary to provide programs, services and activities? No
8. Does your department offer any licensing or certifications to citizens? No
 - a. What licenses or certificates are offered?
9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? No
10. Is the building your program is in owned by the city or leased? Owned
 - a. If the building is leased, who is it leased from?
11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.) Any employee needing auxiliary aids for the purpose of reasonable accommodation are instructed to make their request per policy. The City of Tulsa will make every effort to reasonably accommodate all employees, that does not cause an undue hardship.
12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) Any employee needing auxiliary aids for the purpose of reasonable accommodation are instructed to make their request per policy. The City of Tulsa will make every effort to reasonably accommodate all employees, that does not cause an undue hardship.

**PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE
TO BE COMPLETED BY DEPARTMENTAL COORDINATOR**

Please return to Mike H. Smith
michaelsmith@cityoftulsa.org
918-596-7824

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.) Any employee needing auxiliary aids for the purpose of reasonable accommodation are instructed to make their request per policy. The City of Tulsa will make every effort to reasonably accommodate all employees, that does not cause an undue hardship.
14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? Yes
15. Do any of the programs have any audio/visual media that is offered to employees or to the public? No
16. What policies and procedures are in place for each program? Personnel Policies and Procedures 601, 605, 606, and Safety and Health Manual.
17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa? Yes, 3 years, yes, no.

Self-Evaluation Reporting Form

DEPARTMENT:	Human Rights Department
CONTACT PERSON:	Michael H. Smith, Ph.D.
PHONE:	596-7824
EMAIL	michaelsmith@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

Human Rights Department

"...to promote equal opportunity and democratic rights, and to protect human rights of persons in Tulsa against discrimination because of race, color, religion, sex, national origin, age, disability marital status or familial status, through advisory, educational and enforcement services..."

The **HUMAN RIGHTS DEPARTMENT (HRD)** is the City of Tulsa department, created by Title 5 of the City of Tulsa Revised Ordinances, that receives and investigates complaints of discrimination in the areas of employment, housing, and public accommodations. HRD is responsible for assuring compliance of City contractors by monitoring their hiring, labor standards, Equal Employment Opportunity (EEO), and Affirmative Action practices.

The Department uses **two approaches** to accomplish the objectives of the Ordinance: proactive and enforcement. The **proactive approach** to implementing the Ordinance is handled through the Community involvement Coordinator by encouraging community support and awareness of human and civil rights programs. This is the public relations and educational unit of the department, which takes the proactive approach of presenting our educational programs to schools, churches, businesses, and civic organizations.

Additionally, the unit conducts special projects, surveys, seminars, public service announcements and participation in various community meetings and activities. This unit also works closely with the Human Rights Commission, Mayor's Commission on the Status of Women, Greater Tulsa Area Indian Affairs Commission, Mayor's Commission on the Concerns of Persons With Disabilities, and the Greater Tulsa Area Hispanic Affairs Commission to assess the needs of the community.

Self-Evaluation Reporting Form

The **Investigative and Enforcement Division enforces** the Ordinance through the investigation of complaints received which allege discrimination in housing, employment and public accommodations. This involves coordinating a system to receive, test, file, and investigate the complaint in order to make a recommendation of "probable cause" or "no probable cause" to the Director. If the Director rules there is probable cause to believe the discrimination occurred, an attempt is made to eliminate the violation by bringing parties together in a conciliation agreement.

2. Are all programs offered by your department available to someone with a:
- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
YES
 - b. Sensory challenge? (Visual loss or hearing loss)
YES
 - c. Cognitive challenge?
YES

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

All services provided by HRD are for the citizens of Tulsa with disregard to race, religion, ethnicity, sex disability

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?
NO

5. If a "separate" program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

NO

6. Are any additional costs required for someone to participate in the programs, services or activities?

NO

7. Are reasonable modifications necessary to provide programs, services and activities?

NO

8. Does your department offer any licensing or certifications to citizens?

NO

Self-Evaluation Reporting Form

a. What licenses or certificates are offered?

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

NO

10. Is the building your program is in owned by the city or leased?

Owned by the City of Tulsa

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

YES

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

Qualified readers, audio recordings and brail

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

TDD and computer terminals

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

YES

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

NO

Self-Evaluation Reporting Form

16. What policies and procedures are in place for each program?

All citizens are provided all department policies and procedures in any medium necessary for access.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

YES. Two years. The ADA coordinator has 30 years working with the disabled and is a certified rehabilitation counselor.

Training for all Departmental ADA Coordinators are quarterly.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Information Technology
CONTACT PERSON:	Patrick Chalfant
PHONE:	918-596-1426
EMAIL	<u>pchalfant@ci.tulsa.ok.us</u>

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
IT has an impaired employee in our 911 department. This visually impaired employee answers emergency calls from the public. She is assisted by a canine, who is allowed special breaks for the restroom. The City also purchased a Nanopack accessory which aids her operation of the Automatic Location Identifier.

2. Are all programs offered by your department available to someone with a:
 - a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics) – **Yes**
 - b. Sensory challenge? (Visual loss or hearing loss) – **Yes**
 - c. Cognitive challenge? – **Yes**

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.
If accommodations are requested and warranted, the City gladly accommodates these needs.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity? – **No.**

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? – **Not applicable.**

6. Are any additional costs required for someone to participate in the programs, services or activities? – **No.**

7. Are reasonable modifications necessary to provide programs, services and activities? – **No.**

8. Does your department offer any licensing or certifications to citizens? – **No.**
 - a. What licenses or certificates are offered? – **Not applicable**

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? – **No.**

10. Is the building your program is in owned by the city or leased? – **Owned.**
 - a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)
If accommodations are requested and warranted, the City gladly accommodates these needs.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

If accommodations are requested and warranted, the City gladly accommodates these needs.

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

If accommodations are requested and warranted, the City gladly accommodates these needs.

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

If accommodations are requested and warranted, the City gladly accommodates these needs.

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

If accommodations are requested and warranted, the City gladly accommodates these needs.

16. What policies and procedures are in place for each program?

If policies and procedures are requested or needed, they will be supplied.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes. Over nine months. Yes, 8 hours of specifications training and 4 hours of services and programs training.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Mayors Action Center
CONTACT PERSON:	Kyle Crone
PHONE:	596-7411
EMAIL	kcrone@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
The only program or services that I am aware of is the City will provide any aid that is necessary for you to be able to perform the duties if necessary.

2. Are all programs offered by your department available to someone with a:
 - a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
Wheel Chair
 - b. Sensory challenge? (Visual loss or hearing loss)
If necessary will assist.
 - c. Cognitive challenge?
If necessary will assist

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.
As far as I understand accommodations will be made for those that require it to perform work duties.

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?
Not to my knowledge.

5. If a "separate" program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?
As far as I know they are not required to participate.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

6. Are any additional costs required for someone to participate in the programs, services or activities?
No.
7. Are reasonable modifications necessary to provide programs, services and activities?
Not for my job function.
8. Does your department offer any licensing or certifications to citizens?
No
 - a. What licenses or certificates are offered?
9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?
N/A
10. Is the building your program is in owned by the city or leased?
City
 - a. If the building is leased, who is it leased from?
11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)
I am not familiar with these types of aids but I understand they will be provided for someone by the city if necessary.
12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)
I am not familiar with these types of aids but I understand they will be provided for someone by the city if necessary.
13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)
I am not familiar with these types of aids but I understand they will be provided for someone by the city if necessary.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

I don't know.

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

I don't know.

16. What policies and procedures are in place for each program?

I have not read these policies but aid is available for those with challenges.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

I have been nominated to do so. My first meeting is July 8th. I have not had any training.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Municipal Court
CONTACT PERSON:	Frank Nobile
PHONE:	596-7750
EMAIL	fnobile@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

The Municipal Criminal Court hears all misdemeanor cases set for court as prescribed by Charter and or Ordinance. We keep all records of the proceedings; we offer probation services and a myriad of services linked to the pursuit of justice.

2. Are all programs offered by your department available to someone with a:

Yes to all

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
- b. Sensory challenge? (Visual loss or hearing loss)
- c. Cognitive challenge?

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

They are the same.

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity? **N/A**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?
6. Are any additional costs required for someone to participate in the programs, services or activities? **No**
7. Are reasonable modifications necessary to provide programs, services and activities?
NO
8. Does your department offer any licensing or certifications to citizens?
NO
 - a. What licenses or certificates are offered?
9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?
No
10. Is the building your program is in owned by the city or leased?
Owned
 - a. If the building is leased, who is it leased from?
11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

When notified of a person with a disability we will contact outside vendors who provide the necessary service.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

Signs throughout the building and in the elevators are marked in Brail. There are no other aids, if requested we will make every effort to accommodate the need.

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)
None
14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? **Yes**
15. Do any of the programs have any audio/visual media that is offered to employees or to the public? **No**
16. What policies and procedures are in place for each program?
Municipal Court abides by all of the P&P of the COT, as well as its own internal P&P's.
17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa? **Yes, 1 year, Yes, Some**

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

Self-Evaluation Reporting Form

DEPARTMENT:	Working In Neighborhoods – Neighborhood Investigations
CONTACT PERSON:	Harold D. Adair
PHONE:	596-9668
EMAIL	hadair@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

Adherence to the Nuisance and Zoning Codes of the City of Tulsa Revised Ordinances and the issuance of notices for identified violations and follow-up investigation and enforcement. We attempt voluntary compliance with violator but if necessary we utilize city contractors to correct violations.

2. Are all programs offered by your department available to someone with a: N/A

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
- b. Sensory challenge? (Visual loss or hearing loss)
- c. Cognitive challenge?

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain. Services are the same but not applicable as per your definition and what my department does.

Self-Evaluation Reporting Form

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity? N/A

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? N/A

6. Are any additional costs required for someone to participate in the programs, services or activities? N/A

7. Are reasonable modifications necessary to provide programs, services and activities? N/A

8. Does your department offer any licensing or certifications to citizens? N/A
 - a. What licenses or certificates are offered?
N/A

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? N/A

10. Is the building your program is in owned by the city or leased? Yes, Owned, OTC
 - a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.) Written materials.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) N/A

Self-Evaluation Reporting Form

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)
N/A
14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? Official Notices to Abate either Nuisance or Zoning Violations and criminal citations.
15. Do any of the programs have any audio/visual media that is offered to employees or to the public? N/A
16. What policies and procedures are in place for each program? N/A
17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa? **I do not know. As far as I know I have been appointed as the Coordinator, but no one has told me. I just keep getting emails advising of meetings. I have had no training and have attended no meetings. There has been a complete lack of communication down to my level concerning my participation.**

Self-Evaluation Reporting Form

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Working In Neighborhoods
CONTACT PERSON:	Tim Cartner
PHONE:	918-596-7218
EMAIL	tcartner@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

The Working in Neighborhoods Department works closely with persons with limitations to assist them with compliance to the Zoning and Nuisance ordinances within the City of Tulsa. Working in Neighborhoods coordinates specific needs of the public with Federal Grant programs our Housing Section, the Department of Aging as well as volunteers, church groups and other civic organizations to meet the needs of the public.

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
- b. Sensory challenge? (Visual loss or hearing loss)
- c. Cognitive challenge?

Yes, Working in Neighborhoods coordinates and offers assistance to all citizens lacking the ability to help themselves.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

Yes, upon discovery of a person in violation of the ordinances that has limitations; the specific needs of the individual are assessed and evaluated. The specific needs are also coordinated with government agencies as well as volunteer groups to fit the specific needs of the person in the community.

4. Do any “separate” programs segregate people with disabilities from others participating in the same program service or activity? No, all persons are evaluated one on one to offer needs as they arise.
5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? Yes, assistance is applicable only to persons needing and in agreement to the help needed.
6. Are any additional costs required for someone to participate in the programs, services or activities? No additional cost applies
7. Are reasonable modifications necessary to provide programs, services and activities? Yes, each case is evaluated independently as to the limitations of the party in question, specific needs of the person and the help available to the needs.
8. Does your department offer any licensing or certifications to citizens? No
 - a. What licenses or certificates are offered?
9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? No

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

10. Is the building your program is in owned by the city or leased? City hall, Owned by the City.

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

Working in Neighborhoods does utilize qualified Interpreters provided by the Tulsa Police Department as well as the University of Tulsa.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

Working in Neighborhoods does utilize qualified Interpreters provided by the Tulsa Police Department as well as the University of Tulsa.

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

None other than the assistance provided above.

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

All assistance is delivered as the need is recognized. All assistance is specific to the individual needs of the person identified.

15. Do any of the programs have any audio/visual media that is offered to employees or to the public? No

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

16. What policies and procedures are in place for each program?

Working in Neighborhoods, Neighborhood Inspections does have written policy and procedure addressing emotionally disturbed citizens for the safety of the citizen and the employee.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Tim Cartner has been designated to act as ADA Coordinator. The assignment is new without previous training.

Self-Evaluation Reporting Form

DEPARTMENT:	Tulsa Parks and Recreation
CONTACT PERSON:	Gary A. Schellhorn
PHONE:	918-596-9586 (office) 918-261-9106 (cell)
EMAIL	gschellhorn@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them: **Nature Trails; golf; zoo; open gardens and gardening classes; open swimming and swimming classes; sports fields; open playgrounds and water playgrounds; opens tennis and tennis lessons; open skatepark; shelters; open fitness and fitness and weightlifting classes; gymnastics; meeting rooms for rent; community centers offering cards, dance, art classes, theater, basketball, martial arts, and leisure activities; summer camps**

2. Are all programs offered by your department available to someone with a:

a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)

No

b. Sensory challenge? (Visual loss or hearing loss)

No

c. Cognitive challenge?

No

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

The same for people with disabilities.

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?

No.

Self-Evaluation Reporting Form

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

N/A

6. Are any additional costs required for someone to participate in the programs, services or activities?

No

7. Are reasonable modifications necessary to provide programs, services and activities?

Yes

8. Does your department offer any licensing or certifications to citizens?

Not that I am aware of.

a. What licenses or certificates are offered?

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

10. Is the building your program is in owned by the city or leased?

Owned by the City.

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

Not aware of any auxiliary aids.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

Not aware of any auxiliary aids.

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

Not aware of any auxiliary aids.

Self-Evaluation Reporting Form

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

Yes.

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

No.

16. What policies and procedures are in place for each program?

Unknown

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes.

One year.

Has attended previous ADA training.

Has attended on-going meetings for Self-Evaluation and Transition.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Planning Department
CONTACT PERSON:	Stephen D. Carr and Shirley Goddard
PHONE:	576.5663 (SDC) and 576.5670 (SG)
EMAIL	scar@cityoftulsa.org and sgoddard@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
Comprehensive, neighborhood, small area, special projects, and historic preservation planning
2. Are all programs offered by your department available to someone with a:
 - a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
Yes.
 - b. Sensory challenge? (Visual loss or hearing loss)
Yes.
 - c. Cognitive challenge?
Yes.
3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? *Yes.* Explain.
Department offers services to all of the Tulsa community.
4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity? *No.*
5. If a "separate" program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? *N.A.*
6. Are any additional costs required for someone to participate in the programs, services or activities? *No.*
7. Are reasonable modifications necessary to provide programs, services and activities?
Meetings held at public or quasi-public spaces / buildings with appropriate / available ADA facilities.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

8. Does your department offer any licensing or certifications to citizens? *No.*
 - a. What licenses or certificates are offered?
The department does process Certificates of Appropriateness. The building is located in the One Technology Center (City Hall) which is noted as ADA compliant. We also have a wheelchair in our offices which may be utilized by anyone with mobility considerations or limitations.
9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? *No.*
10. Is the building your program is in owned by the city or leased? *Ye, owned by City of Tulsa s.*
 - a. If the building is leased, who is it leased from?
11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)
PowerPoint presentations and written materials.
12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) *None.*
13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)
None of which that I am aware.
14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? *Yes, planning documents and some procedural materials.*
15. Do any of the programs have any audio/visual media that is offered to employees or to the public? *Written documents (visual) and PowerPoint presentations.*
16. What policies and procedures are in place for each program?
Existing City of Tulsa and CD&E Division policies and procedures.
17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa? *Stephen D. Carr (questionnaire respondent) serving on ADA Committee and Shirley Goddard has agreed to serve as an ADA Co-Coordinator.*

Self-Evaluation Reporting Form

DEPARTMENT:	Police
CONTACT PERSON:	Major Julie Harris
PHONE:	596-1110
EMAIL	jharris@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

- Crime prevention efforts
- Investigation of crimes
- Traffic collision investigation
- Traffic collision prevention efforts, including enforcement of traffic ordinances

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
yes
- b. Sensory challenge? (Visual loss or hearing loss)
yes
- c. Cognitive challenge?
yes

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

Same, utilizing outside resources for sensory challenged individuals

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity? No

Self-Evaluation Reporting Form

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? N/A

6. Are any additional costs required for someone to participate in the programs, services or activities? N/A

7. Are reasonable modifications necessary to provide programs, services and activities?

Outside resources are utilized to assist sensory impaired individuals.

8. Does your department offer any licensing or certifications to citizens? No

a. What licenses or certificates are offered? N/A

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently? N/A

10. Is the building your program is in owned by the city or leased? N/A

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

Outside qualified interpreters are utilized when necessary for people with hearing impairments, and are required by policy when a deaf or hard of hearing person is arrested.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) N/A

Self-Evaluation Reporting Form

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

N/A

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? No

15. Do any of the programs have any audio/visual media that is offered to employees or to the public? No

16. What policies and procedures are in place for each program?

TPD Policy and Procedure 31-131, *Use of Interpreters when Communicating with Deaf or Hard of Hearing Persons*

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes. Ongoing meetings are attended by the designated ADA Coordinator or a representative of the coordinator.

Self-Evaluation Reporting Form

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Tulsa Performing Arts Center
CONTACT PERSON:	Cyndi Vetter
PHONE:	596-2362
EMAIL	cvetter@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them

The PAC is a rental facility w/ stage spaces, reception hall, etc. All groups bring in their own performances, meetings, receptions, etc. The PAC as a whole is responsible for accessibility of the building and to encourage anyone who rents the facility of their accessibility responsibilities - ie- hiring interpreters, arranging large print copies of scripts and/or program information, etc.

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics) yes
- b. Sensory challenge? (Visual loss or hearing loss) yes
- c. Cognitive challenge? yes

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain. No changes are usually necessary. Possibly adding a sign language interpreter for one performance out of 3 or 4 performances. Our building is over 30 years old & is not the most accessible, but usually we can get people where they need to be.

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?

NO

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program? n/a

6. Are any additional costs required for someone to participate in the programs, services or activities?

No

7. Are reasonable modifications necessary to provide programs, services and activities?

No

8. Does your department offer any licensing or certifications to citizens?

No

a. What licenses or certificates are offered? none

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

Have had past problems w/ our Infra red listening devices in the smaller theatres, but mostly taken care of these days & functioning.

10. Is the building your program is in owned by the city or leased? Owned

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

Ticket office has a TTY, which is rarely used these days. Also ticket sales are available on the Internet. We have infra red listening devices in 3 of 4 performance spaces. Individual producing groups provide sign language interp. and/or captioning (ie Tulsa Opera & Celebrity Attractions)

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.) This would be the responsibility of the production company renting the space/building. 2 – 3 weeks notice is necessary.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

TTY in the ticket office. Otherwise this would also be the responsibility of the production company renting the space/building.

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public? Intermission magazine possibly.

15. Do any of the programs have any audio/visual media that is offered to employees or to the public? The Intermission mag. Is also on our website.

16. What policies and procedures are in place for each program? We have a TPAC Operating Policy Manual. In the Introductions it states:..."Permittees and patrons, however, will be responsible for the compliance with all local, state, and federal laws in addition to the ordinances, policies and regulations of the City of Tulsa.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Yes, Cyndi Vetter has been attending off & on for the past year.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

DEPARTMENT:	Tulsa Transit
CONTACT PERSON:	Bill Cartwright
PHONE:	918-560-5603
EMAIL	bcartwright@tulsatransit.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:

- Fixed Route bus service
- Paratransit Lift Program service

2. Are all programs offered by your department available to someone with a:

- a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
Yes
- b. Sensory challenge? (Visual loss or hearing loss)
Yes
- c. Cognitive challenge?
Yes

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.

The services offered are the same, however all of our vehicles are wheelchair equipped to accommodate people with disabilities.

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?

People must be deemed eligible (not able to use the fixed route) to use the lift program, therefore they are separated from the fixed route.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

5. If a “separate” program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?

Yes

6. Are any additional costs required for someone to participate in the programs, services or activities?

The lift program fare is twice the fixed route fare. This is allowed by FTA guidelines because the program cost is so much higher.

7. Are reasonable modifications necessary to provide programs, services and activities?

Yes. All reasonable modifications have been made to the equipment and the programs.

8. Does your department offer any licensing or certifications to citizens?

We classify people as eligible to participate in the lift program.

a. What licenses or certificates are offered?

Lift program eligibility.

9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?

Just our buses.

10. Is the building your program is in owned by the city or leased?

Co-owned by the city and the federal government.

a. If the building is leased, who is it leased from?

11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)

Written materials and on-board public address systems.

12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)

Assistance locating items, Brail signage, call center assistance, and audio recordings.

13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)

Call center assistance and audio recordings.

PROGRAM, SERVICES AND/OR ACTIVITIES QUESTIONNAIRE

14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?

Yes

15. Do any of the programs have any audio/visual media that is offered to employees or to the public?

We are currently working on audio/video materials that will be distributed to the public.

16. What policies and procedures are in place for each program?

Safety, non-discrimination, hazardous materials, and various operational procedures.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

We are currently working on this appointment.

Self-Evaluation Reporting Form

DEPARTMENT:	Parks & Recreation--Zoo
CONTACT PERSON:	Gary A. Schellhorn
PHONE:	918-596-9586 (office) 918-261-9106 (cell)
EMAIL	gschellhorn@cityoftulsa.org

Denial of participation. The ADA, like other civil rights statutes, prohibits the denial of services or benefits on specified discriminatory grounds. Just as a government office cannot refuse to issue food stamps or other benefits to an individual on the basis of his or her race, it cannot refuse to provide benefits solely because an individual has a disability.

Equality in participation/benefits. The ADA provides for equality of opportunity, but does not guarantee equality of results. The foundation of many of the specific requirements in the Department's regulations is the principle that individuals with disabilities must be provided an equally effective opportunity to participate in or benefit from a public entity's aid, benefits, and services.

1. What programs or services are offered in your department? Please list them:
[Animal exhibits, educational programs for adults and children, summer camps, open playground, train, carousel, climbing wall, camel rides, special events such as Zoo Run, Halloween, Starry Safari, Spring Fling,, facility rental for private parties](#)

2. Are all programs offered by your department available to someone with a:
 - a. Physical challenge? (Using a wheelchair, canes, crutches, walkers or prosthetics)
[Yes](#)
 - b. Sensory challenge? (Visual loss or hearing loss)
[No](#)
 - c. Cognitive challenge?
[Yes](#)

3. Are programs, services or activities offered by your department the same for people with disabilities or are separate or different accommodations necessary? Explain.
[The same for people with disabilities.](#)

4. Do any "separate" programs segregate people with disabilities from others participating in the same program service or activity?
[No.](#)

5. If a "separate" program is offered, can a person choose NOT to participate in the separate program and join the mainstream program?
[N/A](#)

Self-Evaluation Reporting Form

6. Are any additional costs required for someone to participate in the programs, services or activities?
Yes
7. Are reasonable modifications necessary to provide programs, services and activities?
Yes
8. Does your department offer any licensing or certifications to citizens?
 - a. What licenses or certificates are offered?
No
9. Are there elements or features offered through your programs, services or activities that have broken down or break down frequently?
Zoo is in need of infrastructure repair; some animal exhibits renovation or replacement to meet current industry standards.
10. Is the building your program is in owned by the city or leased?
Owned by City of Tulsa
 - a. If the building is leased, who is it leased from?
11. What auxiliary aids are provided for people with hearing impairments? (that might include: qualified interpreters, note takers, computer-aided transcription services, written materials, telephone handset amplifiers, assistive listening systems, telephones compatible with hearing aids, closed caption decoders, open and closed captioning, telecommunications devices for deaf persons (TDD's), videotext displays, and exchange of written notes.)
None
12. What auxiliary aids are provided for people with visual impairments? (That might include: qualified readers, taped texts, audio recordings, Brail materials, large print materials, and assistance in locating items.)
None
13. What auxiliary aids are provided for people with cognitive impairments? (That might include: TDD's, computer terminals, speech synthesizers, and communication boards.)
None
14. Do any of the programs offered by your department have papers or documents that are given to employees or the public?
Yes
15. Do any of the programs have any audio/visual media that is offered to employees or to the public?
Yes
16. What policies and procedures are in place for each program?

Self-Evaluation Reporting Form

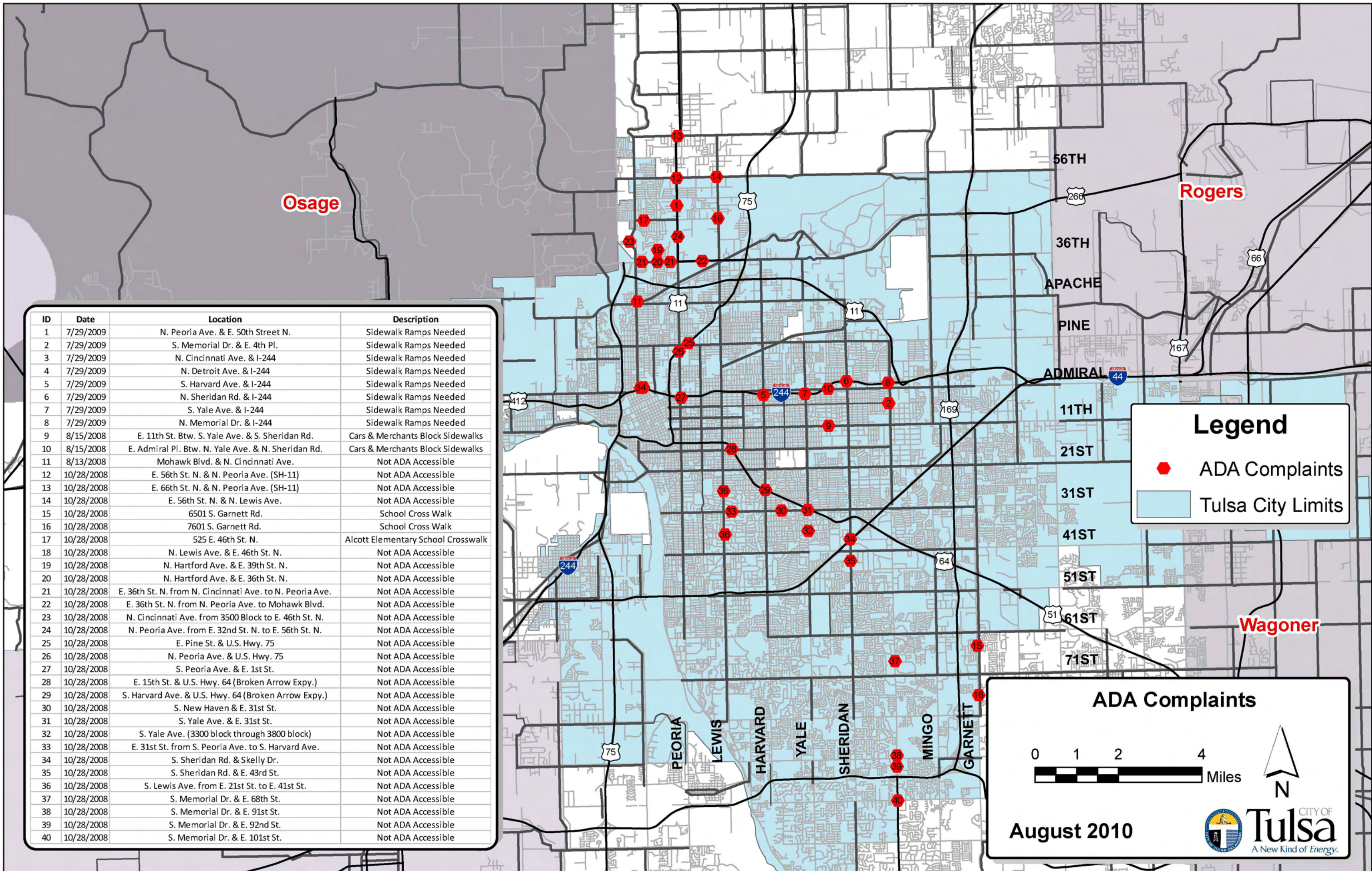
We have operating policies in place for carousel, climbing wall, camel rides, visitor rules in place for zoo guests and curriculum in place for educational programs and classes.

17. Has your department designated an employee to act as an ADA Coordinator? How long have they been performing this function? Have they previously attended ADA-related training? Have they attended on-going meetings for the update of the Self-Evaluation and Transition Plan for the City of Tulsa?

Gary Schellhorn, Public Works

Appendix B

Initial Study Areas



ID	Date	Location	Description
1	7/29/2009	N. Peoria Ave. & E. 50th Street N.	Sidewalk Ramps Needed
2	7/29/2009	S. Memorial Dr. & E. 4th Pl.	Sidewalk Ramps Needed
3	7/29/2009	N. Cincinnati Ave. & I-244	Sidewalk Ramps Needed
4	7/29/2009	N. Detroit Ave. & I-244	Sidewalk Ramps Needed
5	7/29/2009	S. Harvard Ave. & I-244	Sidewalk Ramps Needed
6	7/29/2009	N. Sheridan Rd. & I-244	Sidewalk Ramps Needed
7	7/29/2009	S. Yale Ave. & I-244	Sidewalk Ramps Needed
8	7/29/2009	N. Memorial Dr. & I-244	Sidewalk Ramps Needed
9	8/15/2008	E. 11th St. Btw. S. Yale Ave. & S. Sheridan Rd.	Cars & Merchants Block Sidewalks
10	8/15/2008	E. Admiral Pl. Btw. N. Yale Ave. & N. Sheridan Rd.	Cars & Merchants Block Sidewalks
11	8/13/2008	Mohawk Blvd. & N. Cincinnati Ave.	Not ADA Accessible
12	10/28/2008	E. 56th St. N. & N. Peoria Ave. (SH-11)	Not ADA Accessible
13	10/28/2008	E. 66th St. N. & N. Peoria Ave. (SH-11)	Not ADA Accessible
14	10/28/2008	E. 56th St. N. & N. Lewis Ave.	Not ADA Accessible
15	10/28/2008	6501 S. Garnett Rd.	School Cross Walk
16	10/28/2008	7601 S. Garnett Rd.	School Cross Walk
17	10/28/2008	525 E. 46th St. N.	Alcott Elementary School Crosswalk
18	10/28/2008	N. Lewis Ave. & E. 46th St. N.	Not ADA Accessible
19	10/28/2008	N. Hartford Ave. & E. 39th St. N.	Not ADA Accessible
20	10/28/2008	N. Hartford Ave. & E. 36th St. N.	Not ADA Accessible
21	10/28/2008	E. 36th St. N. from N. Cincinnati Ave. to N. Peoria Ave.	Not ADA Accessible
22	10/28/2008	E. 36th St. N. from N. Peoria Ave. to Mohawk Blvd.	Not ADA Accessible
23	10/28/2008	N. Cincinnati Ave. from 3500 Block to E. 46th St. N.	Not ADA Accessible
24	10/28/2008	N. Peoria Ave. from E. 32nd St. N. to E. 56th St. N.	Not ADA Accessible
25	10/28/2008	E. Pine St. & U.S. Hwy. 75	Not ADA Accessible
26	10/28/2008	N. Peoria Ave. & U.S. Hwy. 75	Not ADA Accessible
27	10/28/2008	S. Peoria Ave. & E. 1st St.	Not ADA Accessible
28	10/28/2008	E. 15th St. & U.S. Hwy. 64 (Broken Arrow Expy.)	Not ADA Accessible
29	10/28/2008	S. Harvard Ave. & U.S. Hwy. 64 (Broken Arrow Expy.)	Not ADA Accessible
30	10/28/2008	S. New Haven & E. 31st St.	Not ADA Accessible
31	10/28/2008	S. Yale Ave. & E. 31st St.	Not ADA Accessible
32	10/28/2008	S. Yale Ave. (3300 block through 3800 block)	Not ADA Accessible
33	10/28/2008	E. 31st St. from S. Peoria Ave. to S. Harvard Ave.	Not ADA Accessible
34	10/28/2008	S. Sheridan Rd. & Skelly Dr.	Not ADA Accessible
35	10/28/2008	S. Sheridan Rd. & E. 43rd St.	Not ADA Accessible
36	10/28/2008	S. Lewis Ave. from E. 21st St. to E. 41st St.	Not ADA Accessible
37	10/28/2008	S. Memorial Dr. & E. 68th St.	Not ADA Accessible
38	10/28/2008	S. Memorial Dr. & E. 91st St.	Not ADA Accessible
39	10/28/2008	S. Memorial Dr. & E. 92nd St.	Not ADA Accessible
40	10/28/2008	S. Memorial Dr. & E. 101st St.	Not ADA Accessible

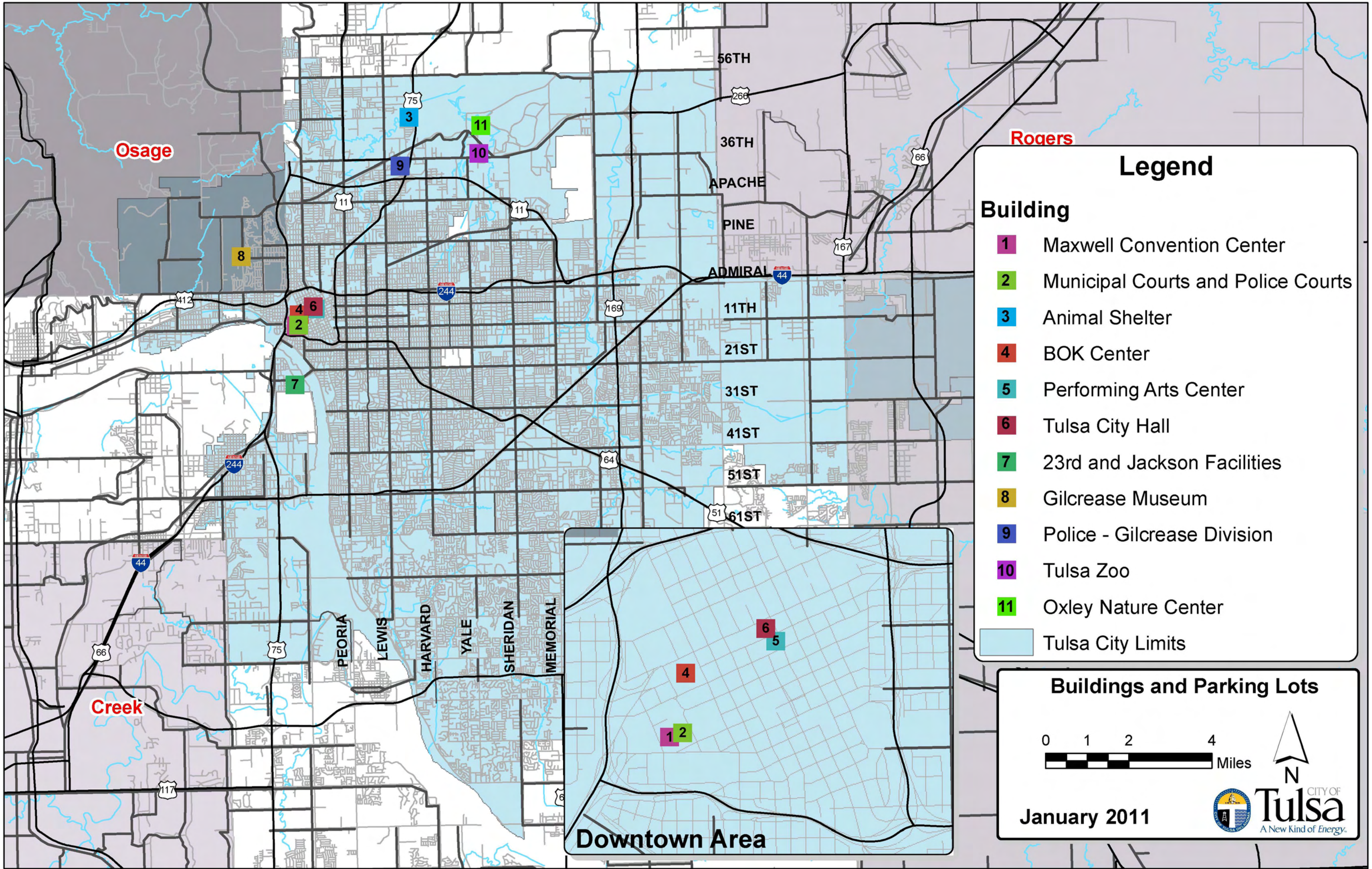
Legend

- ◆ ADA Complaints
- Tulsa City Limits

ADA Complaints

0 1 2 4 Miles

August 2010



Legend

Building

- 1 Maxwell Convention Center
- 2 Municipal Courts and Police Courts
- 3 Animal Shelter
- 4 BOK Center
- 5 Performing Arts Center
- 6 Tulsa City Hall
- 7 23rd and Jackson Facilities
- 8 Gilcrease Museum
- 9 Police - Gilcrease Division
- 10 Tulsa Zoo
- 11 Oxley Nature Center
- Tulsa City Limits

Buildings and Parking Lots

0 1 2 4

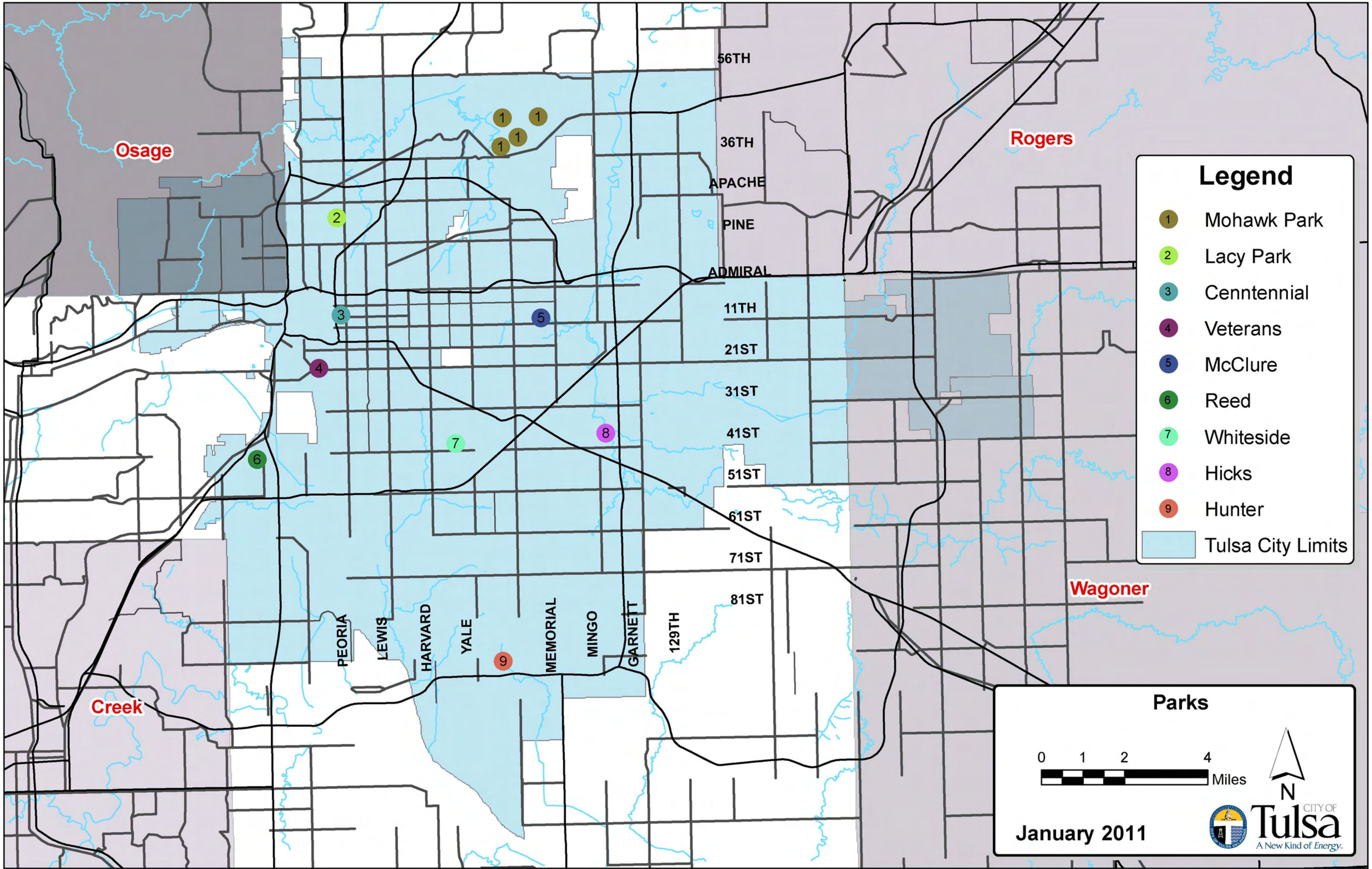
Miles

N

January 2011

Tulsa
CITY OF
A New Kind of Energy.

Downtown Area



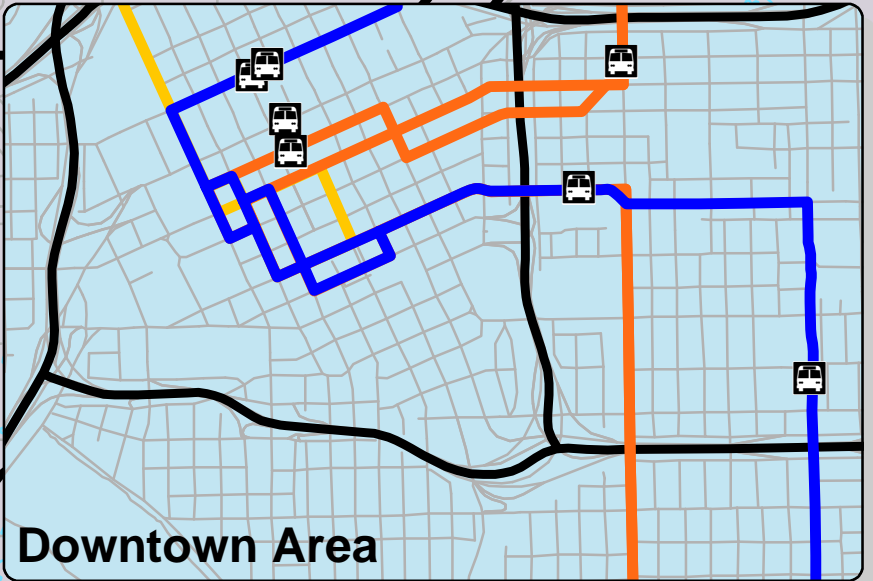
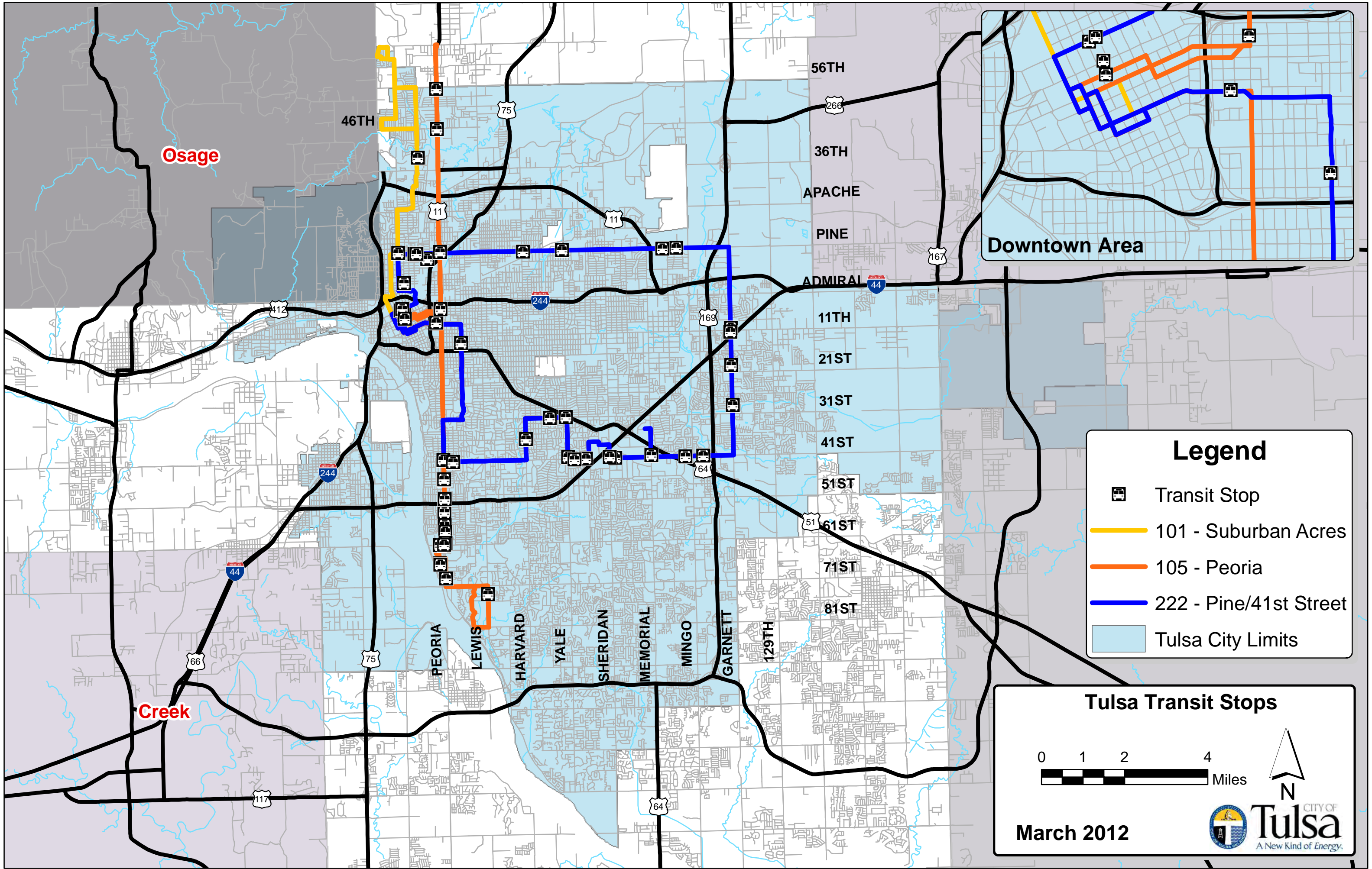
Legend

- 1 Mohawk Park
- 2 Lacy Park
- 3 Cenntennial
- 4 Veterans
- 5 McClure
- 6 Reed
- 7 Whiteside
- 8 Hicks
- 9 Hunter
- Tulsa City Limits





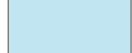
Parks

0 1 2 4 Miles

January 2011

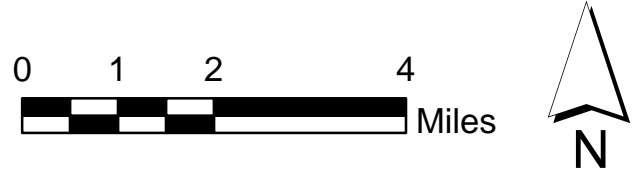


Legend


-  Transit Stop
-  101 - Suburban Acres
-  105 - Peoria
-  222 - Pine/41st Street
-  Tulsa City Limits

Tulsa Transit Stops

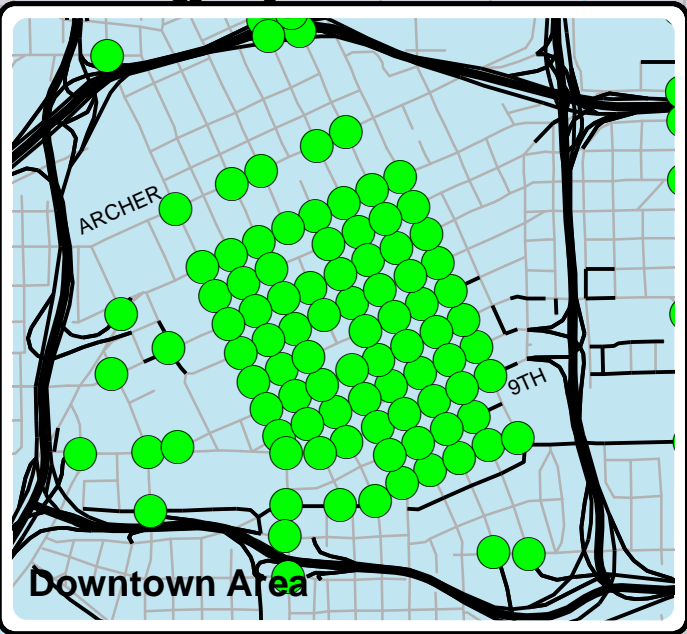
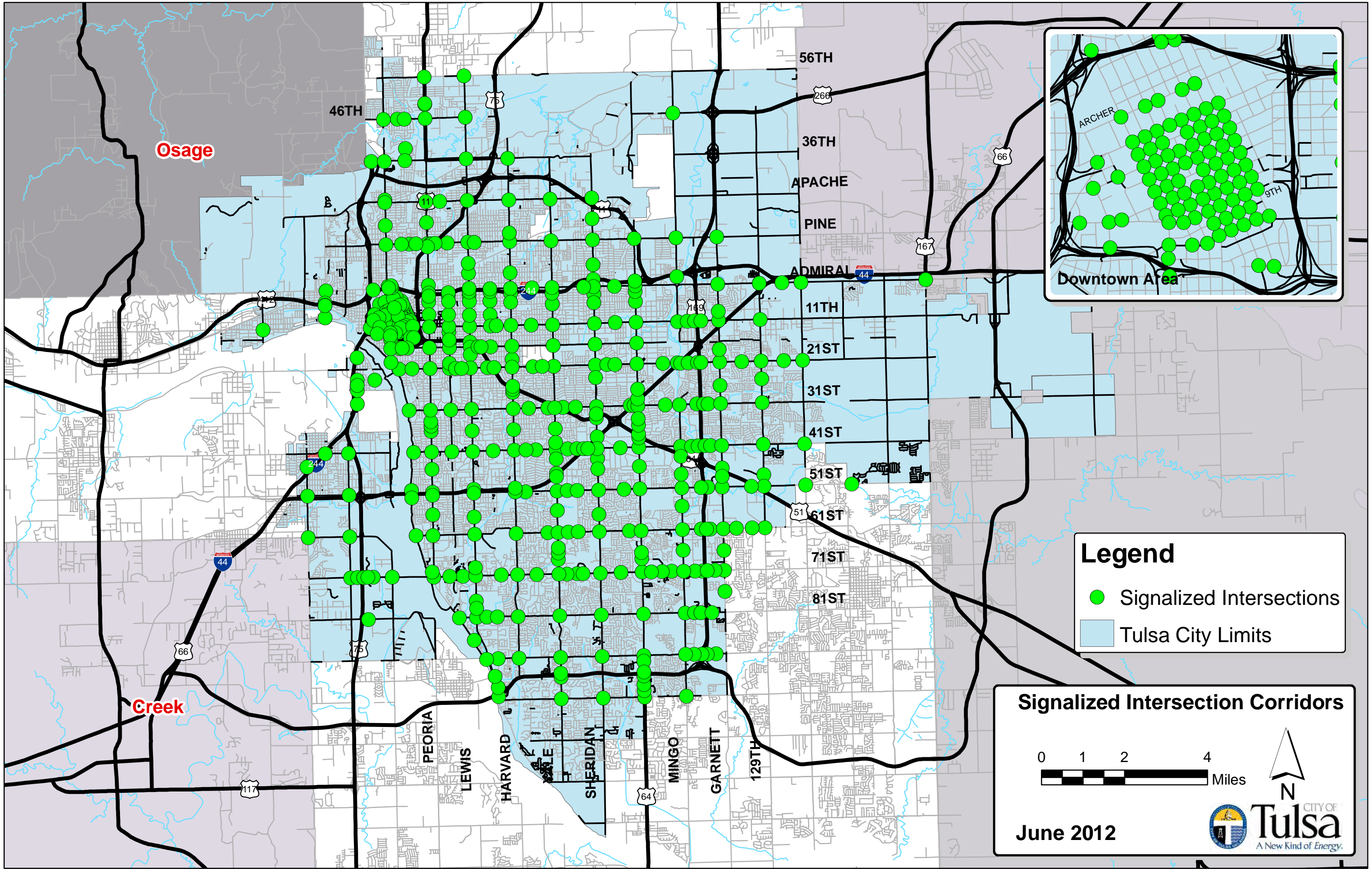
0 1 2 4 Miles



March 2012



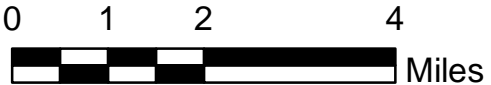
Tulsa
A New Kind of Energy.



Legend

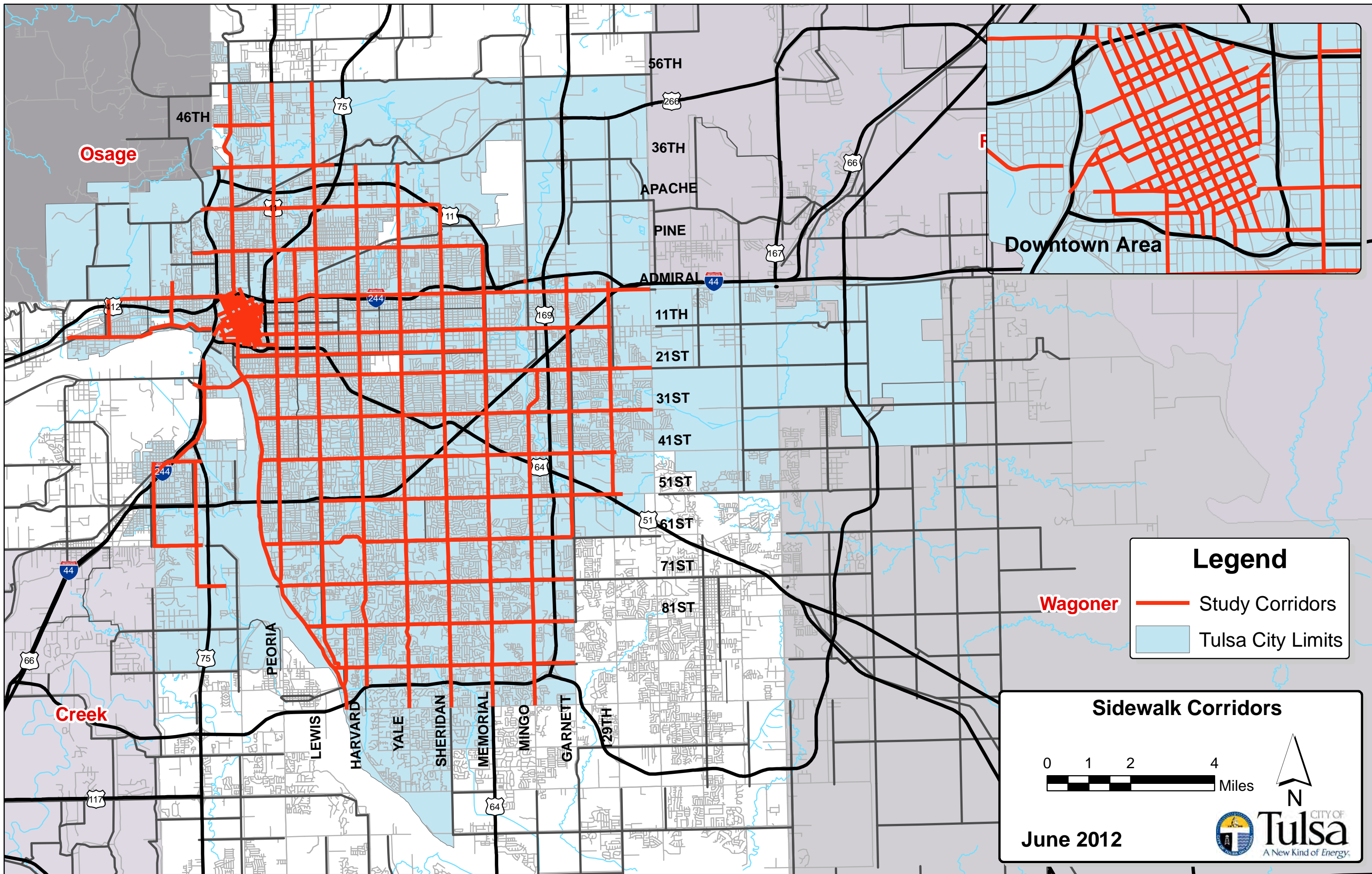
- Signaled Intersections
- Tulsa City Limits

Signaled Intersection Corridors



June 2012





Osage

Downtown Area

Legend

- Study Corridors
- Tulsa City Limits

Wagoner

Sidewalk Corridors

0 1 2 4 Miles

June 2012

Creek

46TH

56TH

36TH

APACHE

PINE

ADMIRAL

11TH

21ST

31ST

41ST

51ST

61ST

71ST

81ST

PEORIA

LEWIS

HARVARD

YALE

SHERIDAN

MEMORIAL

MINGO

GARNETT

29TH

12

75

266

66

167

44

169

244

64

51

44

66

75

117

64

Appendix C

Project Meetings

APPENDIX C

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

PROJECT MEETINGS

Kick-off Meeting

Thursday, March 18, 2010

Staff Orientation Meeting

Thursday, April 22, 2010

Monthly Steering Committee Meetings

Thursday, April 8, 2010

Thursday, May 6, 2010

Thursday, June 3, 2010

Thursday, July 8, 2010

Thursday, August 5, 2010

Thursday, September 2, 2010

Wednesday, October 6, 2010

Thursday, November 4, 2010

Thursday, December 16, 2010

Thursday, January 20, 2011

Advisory Committee Meetings

Thursday, June 3, 2010

Thursday, August 5, 2010

Wednesday, October 6, 2010

Thursday, January 20, 2011

Public Workshop

Tuesday, January 18, 2010

Staff Training

Module 1: August 4-5, 2010

Module 2: September 1-2, 2010

Mayor's Commission on the Concerns of Tulsans with Disabilities

Tuesday, January 25, 2011

Transportation Advisory Board

Tuesday, March 1, 2011

Tulsa Metropolitan Area Planning Commission

Wednesday, April 20, 2011

City Council

Thursday, April 28, 2011



**TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE
KICK-OFF MEETING AGENDA**

March 18, 2010 – 2:30 PM – 4:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa, One Technology Center, 10th Floor, South Conference Room

Items Distributed:

- Agenda
- Proposed Meeting Schedule
- Comment Form

I. Introductions

- Brent Stout, P.E. – Project Manager for City of Tulsa
- Dr. Lana Turner-Addison – Human Rights Department Director
- Dr. Michael Smith – ADA Compliance, Human Rights Department
- Brian Shamburger, P.E. – Project Manager for Kimley-Horn & Associates

II. Project Overview

- Goals and Objectives
- Roles and Responsibilities of Committee Members
- Self-Evaluation Process
- Transition Plan Development
- Staff Training
- Expectations and Implementation

III. Facilities to be included in Self Assessment

- ADA Related Complaints Received
- 10 - City Buildings
- 40 - Transit stops
- 10 - City parking lots
- 5 - Parks
- 200 - Signalized Intersections
- 10 - Miles of Sidewalks and Associated Curb Ramps

IV. Project Website

V. Schedule and Upcoming Meetings

VI. Questions and Comments

VII. Other Discussion Items

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STAFF ORIENTATION MEETING AGENDA

April 22, 2010, 1:00 PM – 2:30 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa, One Technology Center, 10th Floor, South Conference Room

Items Distributed:

- Agenda

I. Introductions

- Brian Shamburger, P.E. – Project Manager for Kimley-Horn and Associates
- Darren Kaihlanen, Civil Rights Specialist, FHWA Oklahoma Division

II. Self-Evaluation and Transition Plan (20 minutes)

- Project status update
- Role of City Staff ADA Coordinators
- Programs, Services, and Activities
 - Departmental surveys
- Infrastructure
- Public involvement process
- Deliverables
- Schedule

III. Staff Training (5 minutes)

- Discuss proposed City staff training modules

IV. Project Website (5 minutes)

V. Questions and Comments on Plan Presentation (15 minutes)

VI. Presentation by Darren Kaihlanen (30 minutes)

- Overview of ADA Title II and III compliance
- Recent Federal initiatives on accessibility
- Accessibility in public rights-of-way
- Jurisdictional issues

VII. Questions and Comments for Darren Kaihlanen's Presentation (15 minutes)

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

April 8, 2010 – 2:00 PM – 3:30 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa, Public Works Engineering Services
2317 South Jackson Avenue
Conference Room 213
Second Floor, South Building

Items Distributed:

- Agenda
- Preliminary Study Area Exhibits

I. Introductions

- Brent Stout, P.E. – Project Manager, City of Tulsa Public Works Dept.
- Michael Smith, Ph. D. – Compliance Investigations Administrator, Human Rights Dept.
- Brian Shamburger, P.E. – Project Manager for Kimley-Horn and Associates

II. Self-Evaluation Study Areas

- Overview of types of study areas
- Overview of the numbers of locations to be assessed for each area
- Review preliminary locations and discussion
 - Buildings and parking lots
 - Transit stops
 - Parks
 - Signalized intersections
 - Sidewalk and ramp corridors

III. Topics for Next Month's Meeting

- Status of Self-Evaluation field work
- Discuss prioritization factors for improvements to be used in Transition Plan
- Feedback on Project Website
- Staff Training

IV. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

May 6, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
10th Floor
South Conference Room

Items Distributed:

- Agenda
- Preliminary Prioritization Factors

I. Self-Evaluation Status

- Reviewing upcoming stimulus and CIP projects
- Field work schedule

II. Prioritization Factors

- General overview of prioritization process
- Discuss prioritization factors for each of the following:
 - Buildings
 - Parking lots
 - Transit stops
 - Parks
 - Signalized intersections
 - Sidewalk corridors

III. Project Website Status

- Discuss status of project website

IV. Topics for Next Month's Meeting

- Status of Self-Evaluation field work
- Present prioritization matrices for each infrastructure type for review
- Feedback on Project Website

V. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

June 3, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
10th Floor
South Conference Room

Items Distributed:

- Agenda
- Preliminary Prioritization Factors

I. Self-Evaluation Status

- Signalized intersections
- Buildings and parking lots
- Parks
- Transit stops
- Sidewalk corridors

II. Prioritization Matrices

- Discuss prioritization matrices for each of the following:
 - Buildings
 - Parking lots
 - Transit stops
 - Parks
 - Signalized intersections
 - Sidewalk corridors

III. Project Website Status

- Review website layout

IV. Topics for Next Month's Meeting

- Status of Self-Evaluation field work
- Feedback on Project Website

V. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

July 8, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa - One Technology Center, 10th Floor, South Conference Room

Items Distributed:

- Agenda

I. Self-Evaluation Status

- ADA complaints
- Signalized intersections
- Buildings and parking lots
- Parks
- Transit stops
- Sidewalk corridors

II. Feedback on Project Website

III. Project Schedule

- Work Items
- Project Progress

IV. Programs and Service Questionnaires

- Feedback / comments
- Schedule for follow up interviews

V. Training Modules

- Topics
- Attendance
- Dates for first module

VI. Topics for Next Month's Meeting

- Status and summary of self-evaluation field work
- Discuss infrastructure prioritization matrices
- Review of Boards and Commissions
- ROW Policies and Programs
- Design Standards
- Training Report

VII. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

August 5, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: OU Schusterman Center, Building 4, Room 138

Items Distributed:

- Agenda
- Infrastructure matrices
- Example project report

I. Self-Evaluation Status

- ADA complaints
- Signalized intersections
- Buildings and parking lots
- Parks
- Transit stops
- Sidewalk corridors
- ADA Questionnaire Results

II. Infrastructure Project Report

- Review and discuss example report

III. Infrastructure Prioritization Matrices

- Review and discuss proposed matrices for each study area

VII. Staff Training

- Discuss training held on August 4th and 5th
- Upcoming training dates
- Video recording of training

VIII. Feedback on Project Website

- Discuss comments or concerns

IX. Topics for Next Month's Meeting

- Summary of infrastructure assessment
- Review of Boards and Commissions
- ROW Policies and Programs
- Design Standards
- Project prioritization
- Transition plan document outline and content

X. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

Thursday, September 2, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: OU Tulsa Schusterman Center – Learning Center, Room 231

Items Distributed:

- Agenda

I. Summary of Infrastructure Assessment

- ADA complaints
- Signalized intersections
- Buildings and parking lots
- Parks
- Transit stops
- Sidewalk corridors

II. Review of Boards and Commissions

- Discuss findings

III. ROW Policies and Programs

- Discuss findings

IV. Design Standards

- Discuss recommended changes

V. Project Prioritization

- Review initial results

VI. Transition Plan Document

- Discuss outline and content

VII. Training

- Discuss feedback from the training sessions

VIII. Topics for Next Month's Meeting

- Initial improvement costs by priority
- Update of transition plan document
- Review departmental questionnaires

IX. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

Wednesday, October 6, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
3rd Floor
Theatre Room

Items Distributed:

- Agenda

I. Infrastructure Prioritization

- Update on progress

II. Initial Improvement Costs Summary of Infrastructure Assessment

- Signalized intersections
- Sidewalk corridors
- Transit stops

III. Review of Departmental Surveys

- Provide update on questionnaires

IV. Design Standards

- Update on progress

V. Transition Plan Document

- Update on progress

VI. Topics for Next Month's Meeting

- Update of improvement costs
- Boards and Commissions / Design standards updates
- Update of transition plan document

VII. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

Thursday, November 4, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
10th Floor
South Conference Room

Items Distributed:

- Agenda

I. Infrastructure Prioritization Update

- Signalized intersections
- Transit stops

II. Summary of Initial Improvement Costs

- Signalized intersections
- Sidewalk corridors
- Transit stops
- Buildings / Parking Lots
- Parks

III. Design Standards

- Update on progress

IV. Update on Project Schedule

V. Update on Public Involvement

- Transportation Advisory Board – January 4th, 2011
- Public Workshop – January 11th or 18th, 2011
- Mayor’s Commission on the Concerns of the Disabled – January 25th

VI. Topics for Next Month’s Meeting

- Update of improvement costs
- Review of Boards and Commissions
- Design standards review update
- Update of transition plan document

VII. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

Thursday, December 16, 2010 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
10th Floor
South Conference Room

Items Distributed:

- Agenda

I. Infrastructure Improvements and Prioritization Update

- Buildings
- Parks

II. Summary of Improvement Costs

- Buildings/Parking Lots
- Parks
- Signalized intersections
- Sidewalk corridors
- Transit stops

III. Update on Draft Transition Plan Document

IV. Discussion on Potential Funding Sources

- Public and/or Private
- ODOT Programs
- Federal Programs
- Allocating portions of City budgets

V. Upcoming Meetings

- Transportation Advisory Board – January 4th
- Public Workshop – January 18th
- Mayor’s Commission on the Concerns of the Disabled – January 25th
- TMAPC – February 2nd
- City Council – February 10th

VI. Topics for Next Month’s Meeting

- Update of transition plan document
- Implementation plan
- Public involvement meetings summaries

VII. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

STEERING COMMITTEE MEETING AGENDA

Thursday, January 20, 2011 – 1:30 PM – 3:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
10th Floor
South Conference Room

Items Distributed:

- Agenda

I. Transition Plan Document Update

II. Updated Improvement Costs

- Buildings/Parking Lots
- Parks
- Signalized intersections
- Sidewalk corridors
- Transit stops

III. Projected Citywide Infrastructure Costs

IV. Public Workshop Discussion

V. Upcoming Meetings

- Mayor's Commission on the Concerns of the Disabled – January 25th
- Transportation Advisory Board – March 1st
- TMAPC – April
- City Council – April

VI. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

ADVISORY COMMITTEE MEETING AGENDA

June 3, 2010 – 3:30 PM – 5:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
10th Floor
South Conference Room

Items Distributed:

- Agenda
- Project Study Areas
- Preliminary Prioritization Factors

I. Self-Evaluation

- Review of project study areas
- Upcoming stimulus and CIP projects
- Discuss status of field work

II. Prioritization Factors

- General overview of prioritization process
- Discuss prioritization factors for each of the following:
 - Buildings
 - Parking lots
 - Transit stops
 - Parks
 - Signalized intersections
 - Sidewalk corridors

III. Project Website

- Review website layout

IV. Topics for Next Meeting

- Discuss self-evaluation results
- Status of project prioritization
- Discuss content of transition plan document

V. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

ADVISORY COMMITTEE MEETING AGENDA

August 5, 2010 – 3:30 PM – 5:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: OU Schusterman Center, Learning Center, Room 138

Items Distributed:

- Agenda
- Example project report
- Infrastructure matrices

I. Self-Evaluation

- Discuss status of field work and general summary of results
- Review and discuss example project report
- Discuss ADA Questionnaire results

II. Infrastructure Prioritization Matrices

- Review and discuss proposed matrices for each study area

III. Project Website

- Review and discuss project website

IV. Staff Training

- Discuss staff training modules held on August 4th and 5th
- Upcoming training dates

V. Topics for Next Meeting

- Discuss self-evaluation results
- Discuss results of project prioritizations
- Discuss content and outline for transition plan document

VI. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

ADVISORY COMMITTEE MEETING AGENDA

Wednesday, October 6, 2010 – 3:30 PM – 5:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
3rd Floor
Theatre Room

Items Distributed:

- Agenda

I. Staff Training

- Discuss training modules held in September

II. Infrastructure Prioritization

- Update on progress

III. Initial Improvement Costs Summary of Infrastructure Assessment

- Signalized intersections
- Sidewalk corridors
- Transit stops
- ADA Complaints

IV. Review of Departmental Surveys

- Provide update on questionnaires

V. Design Standards

- Update on progress

VI. Transition Plan Document

- Update on progress

VII. Topics for Next Month's Meeting

- Update of improvement costs
- Boards and Commissions / Design standards updates
- Update of transition plan document

VIII. Questions and Comments

TULSA ADA SELF-EVALUATION AND TRANSITION PLAN UPDATE

ADVISORY COMMITTEE MEETING AGENDA

Thursday, January 20, 2011 – 3:30 PM – 5:00 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City of Tulsa
One Technology Center
10th Floor
South Conference Room

Items Distributed:

- Agenda

I. Transition Plan Document Update

II. Self-Evaluation Findings and Costs

- Programs, Policies, and Practices
- Construction Standards and Details
- Review of Boards and Commissions
- Buildings/Parking Lots
- Parks
- Signalized intersections
- Sidewalk corridors
- Transit stops

III. Projected Citywide Infrastructure Costs

IV. Discussion on Potential Funding Opportunities

- Federal / State / MPO
- Public
- Private

V. Public Workshop Discussion

VI. Upcoming Meetings

- Mayor's Commission on the Concerns of the Disabled – January 25th
- Transportation Advisory Board – March 1st
- TMAPC – April
- City Council – April

VII. Questions and Comments

**TULSA ADA SELF-EVALUATION AND
TRANSITION PLAN UPDATE**

PUBLIC WORKSHOP AGENDA

Tuesday, January 18, 2011 – 6:00 PM – 7:30 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: The Center for Individuals with Physical Challenges
815 S. Utica Avenue
Tulsa, OK 74104-3633

Items Distributed:

- Agenda
- Study Areas
- Comment Form

I. Introductions

II. Background on ADA

III. City's History with ADA

IV. ADA Transition Plans

V. ADA Transition Plan Update

- a) Steering and Advisory Committees
- b) Staff Training
- c) Project Website
- d) Self-Evaluation
- e) Proposed Funding Sources

VI. Next Steps

VII. Comments and Questions

**TULSA ADA SELF-EVALUATION AND
TRANSITION PLAN UPDATE**

**MAYOR'S COMMISSION ON THE
CONCERNS OF TULSANS WITH DISABILITIES AGENDA**

Tuesday, January 25, 2011 – 3:00 PM – 4:30 PM

Project: Tulsa ADA Self-Evaluation and Transition Plan

Location: City Hall
10th Floor, North Conference Room

Items Distributed:

- Agenda
- Study Areas
- Comment Form

I. Introductions

II. Commission's Role

III. Background on ADA

IV. City's History with ADA

V. ADA Transition Plans

VI. ADA Transition Plan Update

- a) Steering and Advisory Committees
- b) Staff Training
- c) Project Website
- d) Self-Evaluation
- e) Proposed Funding Sources

VII. Next Steps

VIII. Comments and Questions

Appendix D

Infrastructure Reports

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Jackson Complex		
TOTAL COSTS:	\$227,988		
GENERAL NOTES:			
	<p>This complex houses City of Tulsa employees only. There are no retail spaces or services for the general public at this facility, which lowers the priority for compliance in the overall city plan. If a person with a disability is hired to work in this facility, the elements necessary for that employee's job will be required to be brought into compliance as a priority. Besides occasional visitors for meetings, the primary user of these buildings are city employees.</p> <p>There are two buildings and a warehouse complex as part of this facility, all included in this report.</p> <p>Hardware is mixed. Some areas have levers and some have knobs that require grasping and twisting. At some point the hardware should be replaced but this isn't a high priority.</p> <p>Several doors have less than the required 18" on the pull side. Every time an area is renovated this should be resolved but it's not necessary to go in just to resolve this issue. Resolving this was not included in costs.</p>		
PARKING LOTS:	This complex has three main parking lots. The visitor lot is in front of the building and serves as the main lot for any non-employees. The north and south lots provide parking for employees of the City of Tulsa. None of the accessible parking spaces in any of the lots comply with the required access standards.		
NUMBER OF ACCESSIBLE PARKING SPACES	VISITORS LOT: 9 spaces/ 2 H/C 1 required	NORTH LOT: 73 spaces/ 6H/C 3 required	SOUTH LOT: 194 Spaces/ 3 H/C 6 required
PARKING VIOLATIONS:			
	<p>Visitors Lot:</p> <p>Neither of the two accessible spaces are compliant. Neither have an access aisle or a compliant path of travel to the entrances they intend to serve. The one furthest south is not necessary and should be removed.</p> <p>North Lot:</p> <p>None of the accessible parking spaces in the north lot have access aisles or a compliant path of travel to the entrance they intend to serve.</p> <p>South Lot:</p> <p>None of the accessible parking spaces in the north lot have access aisles or a compliant path of travel to the entrance they intend to serve. The parallel space provided should be removed completely. Nothing about it complies.</p>		

CITY OF TULSA – BUILDING REPORT

PARKING RECOMMENDATIONS:	
<p style="color: red; margin: 0;">PRIORITY HIGH</p> <p style="color: green; margin: 0;">COST: \$33,579</p>	<p>Visitors Lot: Remove the southern most space. Restripe the northern most space to be a compliant van accessible space and provide a path of travel from the space to the entrance to the main South building entrance.</p> <p>North Lot: Restripe the north lot to include access aisles and a path of travel to the building entrance for each accessible space, making at least one of the spaces van compliant. A path is not required to be striped across the drive, but it is highly recommended for liability purposes.</p> <p>South Lot: Remove the parallel (van) space completely. Move the remaining accessible parking spaces closer to the entrance they are intending to serve, which is the south door to the building.</p>
EXTERIOR CONDITIONS:	
	<p>There is a bus stop directly in front of the building and no path of travel to it. The bus stop itself is also not compliant.</p> <p>There is no accessible route between the north and south buildings. The sidewalk from the south to the north building leads to the stairs at the entry. There is no accessible route to the ramp serving that entrance.</p> <p>The sidewalk in front of the south building has a cross slope up to 8.6%.</p>
RECOMMENDATIONS:	
<p style="color: red; margin: 0;">PRIORITY HIGH</p> <p style="color: green; margin: 0;">COST: \$ 77,228</p>	<p>Provide an accessible route to the bus stop, after the bus stop itself is made compliant.</p> <p>Install a connecting sidewalk from the front of the north building to the base of the ramp so someone using a mobility aide could connect to the ramp.</p> <p>Remove the sidewalk in front of the south building, or replace it so the cross slope does not exceed 2%. Costs provided are for removing it.</p>
SOUTH BUILDING MAIN ENTRANCE:	
	<p>The main entrance to the south building has a slope up to the door of 8.1%. This slope continues right up to the door opening. The route from the accessible parking also needs to be altered for this to be a compliant entrance, that is discussed in the parking section above.</p>
RECOMMENDATION:	
<p style="color: red; margin: 0;">PRIORITY HIGH</p> <p style="color: green; margin: 0;">COST: \$ 3,278</p>	<p>Install a power assisted door mechanism with the button located on a clear and level area that is out of the door swing.</p>
BUILDING SECONDARY ENTRANCE:	
	<p>The southern most entrance to the south building is served by a curb ramp that has both a slope and cross slope that exceed all allowable tolerances. Additionally, there is a slope to the door up to 5.6% which also exceeds allowable tolerances and the door has only 10" on the pull side of the door.</p>

CITY OF TULSA – BUILDING REPORT

	RECOMMENDATION:
PRIORITY MEDIUM COST: \$ 6,556	Replace the curb ramp with a fully compliant curb ramp. Install a power assisted door mechanism with the button located on a clear and level area that is out of the door swing. This resolves both the slope and maneuvering clearance issues.
NORTH BUILDING MAIN ENTRANCE:	
	The main entrance to the north building has both a ramp and stairs serving it. The ramp is substantially compliant, except for the handrails, which are required on both sides and only provided on one. There is a gap at the top of the ramp that's about 1" wide that needs to be filled.
	RECOMMENDATION:
PRIORITY HIGH COST: \$ 3,604	Install handrails on both sides of the ramp. Ensure the handrails comply with all facets required under federal law for handrails.
BUILDING SECONDARY ENTRANCE:	
	The southern most entrance to the north building is served by steps, as is the northernmost door. There is no accessible connection between the two buildings at any of the three entrances. Above, we've discussed the path of travel in the front of the buildings and this is the recommended route.
	RECOMMENDATION:
PRIORITY MEDIUM COST: \$Calculated above	Only needs to be one accessible route between the buildings. The costs noted above provide for a route in the front of the building, making the route between these doors not required. If the path will not be installed in the front of the building, one will need to be provided here.
VERTICAL ACCESS:	
PRIORITY LOW COST: \$ 1,828	Vertical access is provided between the floors of the two main buildings. There is one elevated area in the warehouse building that has no vertical access. There is no requirement to install an elevator for that space. The elevator has the hall call buttons recessed. These need to be either flush or protruding.
SOUTH BUILDING INTERIOR ISSUES, FLOOR #1:	
GENERAL INFORMATION PRIORITY LOW COST: \$ 4,860	Doors are mixed. Some have knobs, some levers. Some of the doors in the individual departments do not have the required maneuvering clearance. The break room has a counter that's 36" high and the sink has cabinets underneath that prevent knee clearance. The paper towel dispenser is mounted at 66" high.
MEN'S RESTROOM:	The stall is 57 1/2" deep instead of 59" as required. The side grab bar is only 36" - 42" is required.

CITY OF TULSA – BUILDING REPORT

<p>PRIORITY LOW COST: \$ 2,740</p>	The signage is mounted on the door instead of the wall next to the door as required.
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY LOW COST: \$ 2,220</p>	<p>The stall is 57 1/2" deep instead of 59" as required.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
SOUTH BUILDING INTERIOR ISSUES, FLOOR #2:	
<p>GENERAL INFORMATION:</p> <p>PRIORITY LOW COST: \$ 4,860</p>	<p>Doors are mixed. Some have knobs, some levers.</p> <p>Some of the doors in the individual departments do not have the required maneuvering clearance.</p> <p>The break room has a counter that's 34" high and the sink has cabinets underneath that prevent knee clearance.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY LOW COST: \$ 7,430</p>	<p>The stall is 57" deep instead of 59" as required.</p> <p>The urinal is in an alcove 38" deep and only 34" wide instead of 36" wide as required.</p> <p>The urinal center line is 15" from the wall instead of 18" as required.</p> <p>Water closet center line is 21" instead of the required 18".</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY LOW COST: \$ 2,220</p>	<p>The stall is 56" deep instead of 59" as required.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
SOUTH BUILDING INTERIOR ISSUES, FLOOR #3:	
<p>GENERAL INFORMATION</p> <p>PRIORITY LOW COST: \$ 980</p>	<p>Doors are mixed. Some have knobs, some levers.</p> <p>Some of the doors in the individual departments do not have the required maneuvering clearance.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY LOW COST: \$4,725</p>	<p>The stall is 58" deep instead of 59" as required.</p> <p>The urinal center line is 12 1/2" from the wall instead of 18" as required.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY LOW COST: \$ 2,220</p>	<p>The stall is 57" deep instead of 59" as required.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>

CITY OF TULSA – BUILDING REPORT

NORTH BUILDING INTERIOR ISSUES, FLOOR #1:	
GENERAL INFORMATION: <p style="text-align: right; color: #ffcc00;">PRIORITY LOW</p> <p style="text-align: right; color: #008000;">COST: \$ 4,860</p>	<p>Doors are mixed. Some have knobs, some levers.</p> <p>Some of the doors in the individual departments do not have the required maneuvering clearance.</p> <p>The break room has a counter that's 36" high and the sink has cabinets underneath that prevent knee clearance.</p> <p>The Exit buttons are in the corner with no clear floor space in front of them.</p>
MEN'S RESTROOM: <p style="text-align: right; color: #ffcc00;">PRIORITY LOW</p> <p style="text-align: right; color: #008000;">COST: \$ 2,220</p>	<p>The stall is 57" deep instead of 59" as required.</p> <p>The door only has 14 1/2" on the pull side instead of the required 18"</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
WOMEN'S RESTROOM: <p style="text-align: right; color: #ffcc00;">PRIORITY LOW</p> <p style="text-align: right; color: #008000;">COST: \$ 2,220</p>	<p>The stall is 58" deep instead of 59" as required.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
NORTH BUILDING INTERIOR ISSUES, FLOOR #2:	
GENERAL INFORMATION: <p style="text-align: right; color: #ffcc00;">PRIORITY LOW</p> <p style="text-align: right; color: #008000;">COST: \$ 4,860</p>	<p>Doors are mixed. Some have knobs, some levers.</p> <p>The counter in the reproduction room is mounted at 41 3/4" in height. If remodeled this should be altered, but it's not required to be brought into compliance and isn't included in the costs.</p> <p>The fire extinguishers are mounted so they protrude out 8" into the path of travel. These need to be lowered so the leading edge is at or below 27" aff.</p> <p>Some of the doors in the individual departments do not have the required maneuvering clearance.</p> <p>The break room has a counter that's 36" high and the sink has cabinets underneath that prevent knee clearance.</p>
MEN'S RESTROOM: <p style="text-align: right; color: #ffcc00;">PRIORITY LOW</p> <p style="text-align: right; color: #008000;">COST: \$ 2,220</p>	<p>The stall is 57" deep instead of 59" as required.</p> <p>The center line of the urinal is 13" instead of the required 15"</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
WOMEN'S RESTROOM: <p style="text-align: right; color: #ffcc00;">PRIORITY LOW</p> <p style="text-align: right; color: #008000;">COST: \$ 2,220</p>	<p>The stall is 58" deep instead of 59" as required.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>

CITY OF TULSA – BUILDING REPORT

<p>WOMEN'S RESTROOM:</p> <p>PRIORITY LOW</p> <p>COST: \$ 760</p>	<p>The signage is mounted on the door instead of the wall next to the door as required.</p> <p>The shelf and the paper towel dispenser are protruding objects. These should be relocated or another type spec'd to reduce potential problems.</p>
<p>WAREHOUSE MEN'S ROOM:</p>	<p>There is a very small restroom in the warehouse area that has no access features at all. This is not required to be brought into compliance, but if an employee with a disability is hired, or an employee becomes disabled, an accessible restroom needs to be provided as close as possible to their work area.</p>

CITY OF TULSA – BUILDING REPORT



1. Visitor's parking area. *Parking space needs to be altered to be 96" wide with a 96" access aisle. Slope is slightly over requirement but can be accepted as a structural tolerance. It is recommended to stripe a path across the drive for safety purposes but not required by regulations.*

2. Visitor's parking area. *This accessible space is not necessary. The path of travel from this space to either entrance is not compliant. With the plan for altering the accessible spaces in place, this space can be removed.*



3. South Lot - *This parking space is the only one designated as a "van" accessible parking space and is not compliant. The slopes do not comply, there is no compliant access aisle and no way to make it comply in it's current location. This space needs to be moved closer to the door it's intended to serve.*

4. South Lot – *The rest of the accessible spaces on the west side of the lot should be moved to closer to the door they're intended to serve and ALL need to be restriped to include access aisles. Only one of them will require a 96" access aisle, the rest are required to have a 60" access aisle.*

CITY OF TULSA – BUILDING REPORT



5. North Lot – This lot has six accessible parking spaces and none of them have the required access aisle. At least one must have a 96” access aisle and the others can have a 60” access aisle. Ensure the access aisle connects to the accessible route to the door it’s intended to serve.

6. Entrance doors – The main entry to the South Engineering building has a slope of up to 8.1%. The area in front of the door may not exceed 2% in any direction. A power assisted door will resolve this issue.



7. Entrance doors – The south entry of the South Engineering building has two problems. The curb ramp leading to it has non-compliant slopes and cross slopes and the area in front of the door has a slope as well. The curb ramp will need to be altered and a power assisted door installed.

8. Entrance doors – The main entry door to the North Building is acceptable, but the ramp to it needs a little work. A handrail is only provided on one side, when both sides are required, and the one provided doesn’t comply. Handrails need to be replaced and the gap at the top needs to be filled.

CITY OF TULSA – BUILDING REPORT



9. Path between buildings – The path of travel between the North and South buildings is not compliant. Directly between the buildings there are steps and the sidewalks in front do not connect. IF people need to travel between buildings a compliant path of travel needs to be provided.



10. Path between buildings – The front path of travel between the North and South buildings has a sidewalk, but the sidewalk from the South Building only connects to the steps of the North building. It does not connect to the ramp so there is no accessible path.

BUILDING NAME:	Animal Shelter
TOTAL COSTS:	\$ 28,990
GENERAL NOTES:	
	<p>This building is an animal shelter. There are areas of it that are open to the public to review and choose pets, and other areas that are for employees only. The higher priority is placed on the public areas. Employee areas do not need to be altered unless an alteration is planned for other reasons or they hire someone with a disability to work there. Then the areas frequented by the employee, and all common use areas, will need to be brought into compliance.</p> <p>Hardware is mixed, some levers have replaced knobs but not in all areas. At some point the hardware should be replaced but this isn't a high priority.</p> <p>Because of the connection between people with disabilities and animals, as well as the connection between the elderly and animals, this facility is a higher priority than most.</p>
PARKING LOTS:	<p>This complex has two main public parking lots with 58 parking spaces total. The back lot appears to be used for employees and all accessible parking spaces are located in the front lot. The total number of spaces for both lots is 56 (24 in the front and 32 in the back). The public appears to utilize the front lot.</p> <p>The number of accessible spaces provided is acceptable for the total number of parking spaces.</p>
NUMBER OF ACCESSIBLE PARKING SPACES	<p><u>BOTH LOTS:</u></p> <p>56 spaces/ 3 H/C</p> <p>3 required</p>
PARKING VIOLATIONS:	
	<p>The accessible parking spaces are substantially compliant but the path of travel serving them is not. This path of travel has a slope that is almost double the allowable slope for a ramp and is a danger. This is a VERY high priority item. The current slope is up to 15.8% and is not allowed to exceed 8.33% for a ramp. No handrails or other features are provided on this slope for safety.</p> <p>Additionally, the signage for the parking spaces is too low. The signage is required to be a minimum of 60" to the bottom most character.</p>
PARKING RECOMMENDATIONS:	
	<p>Remove the non-compliant walk and install a compliant ramp. It appears this will have to be a switchback ramp to achieve compliance. Because of the liability issues, this should be a very high priority.</p> <p>PRIORITY HIGH COST: \$14,550</p> <p>Replace the accessible parking spaces signage poles with poles that hold the signs a minimum of 80" above the parking surface.</p>
BUILDING INTERIOR ISSUES:	
GENERAL INFORMATION:	<p>Areas of this building have been altered for compliance, but are not fully compliant. The public areas are the main areas of focus, as noted above. All employee areas have to be brought into compliance if a</p>

<p>PRIORITY HIGH* COST: \$1,850</p> <p>PRIORITY LOW COST: \$3,900</p> <p>* This is for the main transaction counter. The rest of the elements are a low priority.</p>	<p>renovation occurs or if an employee with a specific need is hired.</p> <p>The break room has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p> <p>The main transaction counter is 41 1/2" high. This is required to be lowered to 36" maximum height.</p> <p>The employee break room has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p>
<p>PUBLIC RESTROOM:</p>	<p>This restroom is substantially compliant.</p>
<p>PRIVATE RESTROOM:</p> <p>PRIORITY LOW COST: \$ 150</p>	<p>This restroom is substantially compliant except the mirror is mounted at 47" instead of the required 40" to the bottom of the reflecting surface. The mirror should be lowered 7" for compliance.</p>
<p>EMPLOYEE WOMEN'S RESTROOM</p> <p>PRIORITY LOW COST: \$ 4,270</p>	<p>The mirror is mounted at 48" instead of the required 40" to the bottom of the reflecting surface. The mirror should be lowered 8" for compliance.</p> <p>No bench is installed in the locker room. This needs to be installed if there is an employee with a disability on staff.</p> <p>The shower has accessible features, but there is no clear floor space behind the shower seat. 12" is required to be provided behind the shower seat. This only needs to be altered if there is an employee with a disability needing this requirement.</p>
<p>EMPLOYEE MEN'S RESTROOM</p> <p>PRIORITY LOW COST: \$ 4,270</p>	<p>The mirror is mounted at 48" instead of the required 40" to the bottom of the reflecting surface. The mirror should be lowered 8" for compliance.</p> <p>No bench is installed in the locker room. This needs to be installed if there is an employee with a disability on staff.</p> <p>The shower has accessible features, but there is no clear floor space behind the shower seat. 12" is required to be provided behind the shower seat. This only needs to be altered if there is an employee with a disability needing this requirement.</p>

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Tulsa City Hall
TOTAL COSTS:	\$78,120
GENERAL NOTES:	
	<p>This building is located in a downtown area and is served by a surface parking lot that is not actually part of the facility and is shared with the Performing Arts Center. The website offers a couple other parking options, but this lot seems to be utilized the most for City Hall visitors and is marked as such.</p> <p>This facility was built/renovated since ADA went into effect and is expected to be fully compliant. It's also one of the most visible buildings for the city because it's City Hall.</p> <p>Not every floor of this building is occupied by the City. Floors not noted in this report either are not part of the city's space or it was secured and we were unable to access it.</p> <p>Most of the floors have problems with the knee clearance under the sink. This particular item is being marked as a low priority because of changes in new federal regulations.</p>
PARKING LOTS:	<p>As noted above, the accessible parking is primarily located in the surface lot located directly across the street from City Hall. The intersection curb ramps were part of the downtown study and details of those are in another report completed as part of this process.</p> <p>This lot has a total of 282 parking spaces. Currently there are 7 designated as accessible. The slope of the spaces designated are not fully compliant but are within a reasonable tolerance.</p>
NUMBER OF ACCESSIBLE PARKING SPACES	<p><u>SURFACE LOT:</u> 282 spaces all together, 7 spaces marked as accessible and 7 are required</p>
PARKING VIOLATIONS:	
	<p>It is our understanding this lot is privately owned, not owned by the city. As such, the city is not responsible for making changes so no recommendations have been made. Fortunately, it's in substantial compliance.</p>
BUILDING, ENTRANCES:	
	<p>The main entrance is substantially compliant, both for employees and visitors.</p>
VERTICAL ACCESS:	
	<p>Vertical access is provided between the floors of this building.</p>

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BUILDING INTERIOR ISSUES:	
GROUND FLOOR:	
GENERAL INFORMATION: <p style="text-align: right; color: red; margin: 0;">PRIORITY HIGH</p> <p style="text-align: right; color: green; margin: 0;">COST: \$ 2,235</p>	<p>All visitors check in at the main security desk. This desk is substantially compliant but the lowered section is not used as it should be. Once the check in procedures are complete, the door leading to the elevators is a heavy door, requiring more than 5 lbs. of pressure to open. This can be alleviated with a power assisted door mechanism if adjusting the closer doesn't work.</p>
SECOND FLOOR:	
GENERAL INFORMATION: <p style="text-align: right; color: red; margin: 0;">PRIORITY HIGH</p> <p style="text-align: right; color: green; margin: 0;">COST: \$ 6,235</p>	<p>This is a very public floor with citizen utilities and high traffic. The following issues were found in the general services offered on this floor:</p> <p>FINES: (CASHIER) – There is a lowered counter, but it wasn't open at the time of the inspection. We stopped on this floor several times over the past several months and have yet to find that counter open. If only one counter is open it MUST be the accessible one. This is a program and policy issue that needs to be resolved.</p> <p>UTILITIES – The counter serving this department is at 44 ½" and does not have a lowered section. This must be resolved as part of this process.</p> <p>HR – The reception counter serving this department is at 44 ½" and does not have a lowered section. This must be resolved as part of this process.</p> <p>CITY COUNCIL CHAMBER – This had a meeting in progress but appeared to be substantially compliant.</p>
MEN'S RESTROOM: <p style="text-align: right; color: orange; margin: 0;">PRIORITY LOW</p> <p style="text-align: right; color: green; margin: 0;">COST: \$ 950</p>	<p>The centerline of the water closet is 19 ½" instead of the required 18". This exceeds allowable tolerances. This is such a minimal issue it is recommended this only be addressed if it becomes an issue for someone or if the restroom is substantially renovated.</p>
WOMEN'S RESTROOM: <p style="text-align: right; color: orange; margin: 0;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green; margin: 0;">COST: \$ 160</p>	<p>No signage is provided for this restroom.</p>
THIRD FLOOR:	
GENERAL INFORMATION: <p style="text-align: right; color: orange; margin: 0;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green; margin: 0;">COST: \$ 5,750</p>	<p>The door into the main operations area on the North end has only 9" on the pull side instead of the required 18". This far exceeds any allowable tolerances and needs to be resolved. This can be done by either moving the door to allow proper maneuvering clearances or installing a power assisted door mechanism. Costs provided are for the power assisted door mechanism.</p> <p>The phone provided to ring people into the floor is mounted with the highest operable part is at 57". This needs to be lowered so the highest operable part does not exceed 48".</p> <p>The kitchen in the Executive Briefing Center has the required knee clearance, but the sink is installed in a 36" counter instead of the required 34" counter.</p>

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<p>MEN'S RESTROOM (North):</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$1,150</p>	<p>The back grab bar is mounted at 41" and is required to be between 33" and 36" aff. Since a range is given, the grab bar needs to be in that 3" range.</p> <p>The mirror is mounted at 46 ¾" to the bottom of the reflecting surface instead of the required 40" maximum height.</p>
<p>WOMEN'S RESTROOM (North):</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,450</p>	<p>The back grab bar is mounted at 41" and is required to be between 33" and 36" aff. Since a range is given, the grab bar needs to be in that 3" range.</p> <p>The mirror is mounted at 47" to the bottom of the reflecting surface instead of the required 40" maximum height.</p> <p>The centerline of the water closet is 19 ½" instead of the required 18".</p> <p>The door thresholds are too high. They are required to be no more than ¼" abrupt level change and can go to ½" with a 1:2 bevel. They may not be over that. This threshold needs to be altered for compliance.</p>
<p>MEN'S RESTROOM (by EBC):</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$2,375</p>	<p>The door has only 15" on the pull side instead of the required 18". This exceeds any allowable tolerances and needs to be resolved. This can be done by either moving the door to allow proper maneuvering clearances or installing a power assisted door mechanism. Costs provided are for the power assisted door mechanism.</p>
<p>WOMEN'S RESTROOM (by EBC):</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,860</p>	<p>The door has only 15" on the pull side instead of the required 18". This exceeds any allowable tolerances and needs to be resolved. This can be done by either moving the door to allow proper maneuvering clearances or installing a power assisted door mechanism. Costs provided are for the power assisted door mechanism.</p> <p>The centerline of the water closet is 19 ½" instead of the required 18".</p>
<p>FOURTH FLOOR:</p>	
<p>GENERAL INFORMATION:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 5,750</p>	<p>The phone provided to ring people into the floor is mounted with the highest operable part is at 59 1/2". This needs to be lowered so the highest operable part does not exceed 48".</p> <p>The reception desk is 42" high with no lowered section. This needs to be modified for compliance.</p> <p>The internet café has fixed seating with no accessible seating provided. At least 5% of the fixed seating must be accessible.</p>
<p>MEN'S RESTROOM (North):</p>	<p>This restroom is substantially compliant.</p>
<p>WOMEN'S RESTROOM (North):</p>	<p>This restroom is substantially compliant.</p>
<p>MEN'S RESTROOM (South):</p>	<p>This restroom is substantially compliant.</p>
<p>WOMEN'S RESTROOM (South):</p>	<p>This restroom is substantially compliant.</p>

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FIFTH FLOOR:	
GENERAL INFORMATION: <p style="text-align: right; color: orange;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green;">COST: \$ 2,450</p>	<p>The phone provided to ring people into the floor is mounted with the highest operable part is at 60". This needs to be lowered so the highest operable part does not exceed 48".</p> <p>The internet café has fixed seating with no accessible seating provided. At least 5% of the fixed seating must be accessible.</p>
MEN'S RESTROOM (North):	This restroom is substantially compliant.
WOMEN'S RESTROOM (North):	This restroom is substantially compliant.
MEN'S RESTROOM (South):	This restroom is substantially compliant.
WOMEN'S RESTROOM (South):	This restroom is substantially compliant.
SIXTH FLOOR:	
GENERAL INFORMATION: <p style="text-align: right; color: orange;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green;">COST: \$ 2,450</p>	<p>The phone provided to ring people into the floor is mounted with the highest operable part is at 61". This needs to be lowered so the highest operable part does not exceed 48".</p> <p>The internet café has fixed seating with no accessible seating provided. At least 5% of the fixed seating must be accessible.</p>
MEN'S RESTROOM (North):	This restroom is substantially compliant.
WOMEN'S RESTROOM (North):	This restroom is substantially compliant.
MEN'S RESTROOM (South):	This restroom is substantially compliant.
WOMEN'S RESTROOM (South):	This restroom is substantially compliant.
EIGHTH FLOOR:	
GENERAL INFORMATION: <p style="text-align: right; color: orange;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green;">COST: \$ 4,750</p>	<p>The phone provided to ring people into the floor is mounted with the highest operable part is at 61". This needs to be lowered so the highest operable part does not exceed 48".</p> <p>The internet café has fixed seating with no accessible seating provided. At least 5% of the fixed seating must be accessible.</p> <p>The door has only 16 ½" on the pull side instead of the required 18". This exceeds any allowable tolerances and needs to be resolved. This can be done by either moving the door to allow proper maneuvering clearances or installing a power assisted door mechanism. Costs provided are for the power assisted door mechanism.</p>
MEN'S RESTROOM (North):	This restroom is substantially compliant.
WOMEN'S RESTROOM (North):	This restroom is substantially compliant.

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MEN'S RESTROOM (South):	This restroom is substantially compliant.
WOMEN'S RESTROOM (South):	This restroom is substantially compliant.
NINTH FLOOR:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,750</p>	<p>The phone provided to ring people into the floor is mounted with the highest operable part is at 63". This needs to be lowered so the highest operable part does not exceed 48".</p> <p>The internet café has fixed seating with no accessible seating provided. At least 5% of the fixed seating must be accessible.</p> <p>The door has only 14 ½" on the pull side instead of the required 18". This exceeds any allowable tolerances and needs to be resolved. This can be done by either moving the door to allow proper maneuvering clearances or installing a power assisted door mechanism. Costs provided are for the power assisted door mechanism.</p>
MEN'S RESTROOM (North):	This restroom is substantially compliant.
WOMEN'S RESTROOM (North):	This restroom is substantially compliant.
MEN'S RESTROOM (South):	This restroom is substantially compliant.
WOMEN'S RESTROOM (South):	This restroom is substantially compliant.
TENTH FLOOR:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 14,340</p>	<p>Training rooms 1-3 have only 6" on the pull side of the door instead of the required 18". This exceeds any allowable tolerances and needs to be resolved. This can be done by either moving the door to allow proper maneuvering clearances or installing a power assisted door mechanism. Costs provided are for the power assisted door mechanism.</p> <p>The ramp to the phones has a 10.3% slope. The maximum allowable slope is 8.3%, this exceeds all allowable tolerances.</p> <p>The internet café has a sink provided in the space that is the right height but does not have the required clear floor space underneath it. It also has fixed seating with no accessible seating.</p>
MEN'S RESTROOM (North):	This restroom is substantially compliant.
WOMEN'S RESTROOM (North):	This restroom is substantially compliant.
MEN'S RESTROOM (South):	This restroom is substantially compliant.
WOMEN'S RESTROOM (South):	This restroom is substantially compliant.
FOURTEENTH FLOOR:	
GENERAL INFORMATION:	The phone provided to ring people into the floor is mounted with the highest operable part is at 63". This

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<p>PRIORITY MEDIUM COST: \$ 5,540</p>	<p>needs to be lowered so the highest operable part does not exceed 48".</p> <p>The main north entry door has only 14 5/8" on the pull side of the door instead of the required 18". This exceeds any allowable tolerances and needs to be resolved. This can be done by either moving the door to allow proper maneuvering clearances or installing a power assisted door mechanism. Costs provided are for the power assisted door mechanism.</p> <p>The break room has only fixed seating with no accessible seating. The paper towel dispenser is mounted at 60" and should be lowered to 48" maximum.</p>
MEN'S RESTROOM (North):	This restroom is substantially compliant.
WOMEN'S RESTROOM (North):	This restroom is substantially compliant.
MEN'S RESTROOM (South):	This restroom is substantially compliant.
WOMEN'S RESTROOM (South):	This restroom is substantially compliant.
FIFTEENTH FLOOR:	
<p>PRIORITY MEDIUM COST: \$ 6,750</p>	<p>GENERAL INFORMATION:</p> <p>The phone provided to ring people into the floor is mounted with the highest operable part is at 60". This needs to be lowered so the highest operable part does not exceed 48".</p> <p>The reception counter serving this department is at 42" and does not have a lowered section. This must be resolved as part of this process.</p> <p>The pantry has a 36" high counter and sink with cabinets that prevent the required clear knee space.</p>
<p>PRIORITY MEDIUM COST: \$1,250</p>	<p>MEN'S RESTROOM (North):</p> <p>The lavatory is mounted at the right height but only has 25 1/2" of knee clearance instead of the required 29". There is an accessible lavatory in the accessible stall, but that can't be the only accessible lavatory. One in the common use area must also be compliant.</p> <p>The mirror is mounted at 47 3/4" to the bottom of the reflecting surface instead of the required 40" maximum height.</p>
<p>PRIORITY MEDIUM COST: \$1,250</p>	<p>WOMEN'S RESTROOM (North):</p> <p>The lavatory is mounted at the right height but only has 25 1/2" of knee clearance instead of the required 29". There is an accessible lavatory in the accessible stall, but that can't be the only accessible lavatory. One in the common use area must also be compliant.</p> <p>The mirror is mounted at 47 3/4" to the bottom of the reflecting surface instead of the required 40" maximum height.</p>
<p>PRIORITY MEDIUM COST: \$2,675</p>	<p>UNISEX RESTROOM, BOTH SIDES:</p> <p>The lavatory has no knee clearance.</p> <p>The mirror is mounted at 47 3/4" to the bottom of the reflecting surface instead of the required 40" maximum height.</p> <p>No grab bars are installed.</p> <p>The water closet is at standard heights (16") and the required clear floor space is not provided.</p> <p>The door is heavy, requires 18 lbs. of pressure to open instead of the required 5 lbs. This must be resolved.</p>

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1. Main Entry. The main entry door is compliant. The only entry issue is the door from the reception area to the elevators is too heavy and must either have the closer adjusted or a power assist device installed.

2. Restroom Mirrors. The mirrors are mounted at 47" to 49" to the bottom of the reflecting surface. These need to be lowered to 40"



3. Restrooms. Unisex restrooms provided on the 15th floor, on both sides, do not have the required clear floor space because of the glass partition. Grab bars are not installed and the water closets are not at accessible heights. These are required to fully comply.

4. Internet Cafes. All of the internet cafes have fixed seating with no accessible seating provided. At least 5% of the fixed seating is required to comply.

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5. Counters - Internet Cafes. *All of the internet cafes have fixed seating with no accessible seating provided. At least 5% of the fixed seating is required to comply.*



6. Transaction Counters. Some departments have a lowered counter and some do not. All are required to have a counter lowered to 36" for access. Those that have them **MUST** have the accessible counter open during all hours of operation. If only one counter is in use, it must be the accessible one.

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BUILDING NAME:	Tulsa Convention Center
TOTAL COSTS:	\$ 229,599
GENERAL NOTES:	
	<p>This building is located in a downtown area and is served by a parking garage. This is a highly visible, high traffic facility that has been built in several phases, so there are areas that are brand new and areas that are very old. Some of the older areas have been brought into compliance, but some have not been. This building is quite complex so each section</p> <p>Hardware is mixed, some levers have replaced knobs but not in all areas. At some point the hardware should be replaced beginning with the public areas. Employee only areas should be done, but on a lower priority. ANY construction done within the building should trigger the hardware replacement for that area.</p> <p>The path of travel followed for this report began in the newest section (2009 addition) and followed through to the oldest section.</p> <p>Every non-compliant restroom in this building needs to have signage indicating the location of the nearest accessible restroom, until it's brought into compliance.</p>
PARKING LOTS:	<p>The Tulsa Convention Center parking garage has a posted vertical clearance of 7'2", which does not allow for high profile vans. Van spaces are required to be provided somewhere, so that area needs to be identified and available. THIS IS A HIGH PRIORITY.</p> <p>The garage has 1,395 parking spaces available and is required to have 24 accessible parking spaces, four of which must be van accessible. The spaces provided in the garage do not have a compliant path of travel and many of them don't have signage.</p>
NUMBER OF ACCESSIBLE PARKING SPACES	1,395 parking spaces/25 accessible spaces provided.
PARKING VIOLATIONS:	
	<p>The parking spaces are required to have access aisle that connect to an accessible path of travel and some of the spaces have access aisles but the path of travel requires travel behind parked cars or in a vehicular path.</p> <p>Each accessible space is required to have a sign indicating it's a reserved space. Several of the spaces, especially on the ground level, have no signage.</p>
PARKING RECOMMENDATIONS:	
	<p>Ensure each accessible parking space has both a sign and a path of travel that does not require the user to travel behind parked cars or in the vehicular route.</p> <p>PRIORITY HIGH COST: \$16,569</p> <p>Provide van accessible parking somewhere, preferably in a covered area. A minimum of three van spaces need to be provided.</p>

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VERTICAL ACCESS:	
	Vertical access is provided between the floors of this building.
CONVENTION CENTER INTERIOR ISSUES:	
NEW AREA (2009 ADDITION):	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY HIGH COST: \$20,000</p>	In assembly areas, when the fixtures of the men's and women's restrooms added together are 20 or more there is a requirement for a single user, fully compliant "family" restroom. The north end of the 2009 addition has two large, compliant restrooms and a compliant staff restroom but no "family" restroom as required. Because this is new construction and required under the law and standards in effect at the time the building was built, one needs to be added in this area. Costs can vary depending upon the available plumbing lines, we are adding \$20,000 for this to be done as an estimated cost. Installing this is a high priority.
MEN'S RESTROOM:	The restroom closest to the entrance of the 2009 addition is substantially compliant.
WOMEN'S RESTROOM:	The restroom closest to the entrance of the 2009 addition is substantially compliant.
(1984 ADDITION):	
GENERAL INFORMATION:	<p>This area was built prior to the ADA going into effect. Compliance is required based on a clause for barrier removal under the law. This area was evaluated based on what has been brought into compliance as part on the overall barrier removal program.</p> <p>No "family" restroom is noted in this area either but they weren't required to be installed at this point in time.</p>
MEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 2,850</p>	<p>The ambulatory stall is 38" wide instead of the required 36" width.</p> <p>The standard stall is only 48" wide and has the flush control on the wrong side of the water closet. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal requirement.</p>
WOMEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 2,850</p>	<p>The ambulatory stall is 39" wide instead of the required 36" width.</p> <p>The standard stall is only 48" wide and has the flush control on the wrong side of the water closet. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal requirement.</p>
2nd SET: MEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 2,850</p>	The standard stall is only 42" wide and has the flush control on the wrong side of the water closet. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal requirement.
2nd SET: WOMEN'S RESTROOM:	The standard stall is only 42" wide and has the flush control on the wrong side of the water closet. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal

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<p>PRIORITY MEDIUM COST: \$ 3,850</p>	<p>requirement.</p> <p>The door to the stall has only 12" on the pull side instead of the required 18" on the pull side.</p>
<p>EXHIBIT HALLS:</p>	<p>The exhibit halls 1 and 2 are substantially compliant.</p>
<p>2ND EXHIBIT HALL AREA:</p>	
<p>GENERAL INFORMATION:</p>	<p>This area has two sets of restrooms. Both of these sets are described below.</p>
<p>WOMEN'S RESTROOM #1:</p> <p>PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 48", which is not fully compliant. This needs to be altered for compliance.</p> <p>The ambulatory stall is 38" wide instead of the required 36" width.</p>
<p>WOMEN'S RESTROOM #2:</p> <p>PRIORITY MEDIUM COST: \$ 5,650</p>	<p>There is only 7 3/4" on the pull side of this door. A minimum of 18" is required, 24" is preferred. The door either needs to be altered, or a power assist mechanism installed. The costs provided are for a power assist mechanism to be installed.</p> <p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 42", which is not fully compliant. This needs to be altered for compliance.</p> <p>There is a non compliant ambulatory stall. There is one stall with an outward swinging door but no grab bars installed. This should be made into an ambulatory stall.</p>
<p>MEN'S RESTROOM #1:</p> <p>PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 48", which is not fully compliant. This needs to be altered for compliance.</p> <p>The ambulatory stall is 38" wide instead of the required 36" width.</p>
<p>MEN'S RESTROOM #2:</p> <p>PRIORITY MEDIUM COST: \$ 5,650</p>	<p>There is only 12" on the pull side of this door. A minimum of 18" is required, 24" is preferred. The door either needs to be altered, or a power assist mechanism installed. The costs provided are for a power assist mechanism to be installed.</p> <p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 42", which is not fully compliant. This needs to be altered for compliance.</p> <p>There is a non compliant ambulatory stall. There is one stall with an outward swinging door but no grab bars installed. This should be made into an ambulatory stall.</p>
<p>MAIN CONCOURSE, EXHIBIT AREA "A"</p>	
<p>GENERAL INFORMATION:</p> <p>PRIORITY MEDIUM COST: \$ 3,360</p>	<p>Knobs are noted throughout this area and should be replaced with lever hardware that does not require tight grasping and twisting to operate.</p> <p>The concession area has counters at 43" high. Concession counters are required to be lowered for compliance.</p>

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	<p>There is a private restroom for the box office that was locked. Nobody knew where the key was, so it was not evaluated as part of this study.</p>
<p>WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 5,650</p>	<p>There is only 8" on the pull side of this door. A minimum of 18" is required, 24" is preferred. The door either needs to be altered, or a power assist mechanism installed. The costs provided are for a power assist mechanism to be installed.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p> <p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 42", which is not fully compliant. This needs to be altered for compliance.</p> <p>There is non compliant ambulatory stall. There is one stall with an outward swinging door but no grab bars installed. This should be made into an ambulatory stall.</p>
<p>MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 42", which is not fully compliant. This needs to be altered for compliance.</p> <p>There is no compliant ambulatory stall. There is one stall with an outward swinging door but no grab bars installed. This should be made into an ambulatory stall.</p>
<p>WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 42", which is not fully compliant. This needs to be altered for compliance.</p> <p>There is no compliant ambulatory stall. There is one stall with an outward swinging door but no grab bars installed. This should be made into an ambulatory stall.</p>
<p>MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 42", which is not fully compliant. This needs to be altered for compliance.</p> <p>There is no compliant ambulatory stall. There is one stall with an outward swinging door but no grab bars installed. This should be made into an ambulatory stall.</p>
<p>ADMINISTRATIVE OFFICES:</p>	
<p>GENERAL INFORMATION:</p>	<p>Knobs are noted throughout this department and should be replaced with lever hardware that does not require tight grasping and twisting to operate.</p> <p>Only one drinking fountain is provided. Where there is one there must be two. One at wheelchair heights and one for people who have trouble bending or stooping. A second drinking fountain needs to be installed.</p> <p>The catering kitchen has only 3 1/2" on the pull side of the door. A minimum of 18" is required and the door either needs to be altered or a auto assist door mechanism installed.</p> <p>The break area has a sink mounted at 36' with cabinets underneath that prevent knee clearance. The counter needs to be lowered to not exceed 34" in height.</p>

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<p>PRIORITY LOW COST: \$ 6,750</p>	<p>The administrative office has only 4 3/4" on the pull side of the door. A minimum of 18" is required and the door either needs to be altered or a auto assist door mechanism installed.</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 42", which is not fully compliant. This needs to be altered for compliance. Additionally, the path of travel to the stalls does not provide the required maneuvering clearance for the door that's required. This toilet room will need to be altered for compliance.</p> <p>The mirror is mounted at 49" instead of the required 40" maximum from the floor.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 34 1/2", which is not compliant. This needs to be altered for compliance.</p> <p>The urinal is not compliant and only has 26" path of travel to it. It needs to be a minimum of 30" wide.</p>
<p>WOMEN'S RESTROOM (2nd SET):</p> <p>PRIORITY MEDIUM COST: \$ 1,550</p>	<p>The accessible stall has the right size, but is not completely compliant. The center line is 20 1/2" which exceeds the 16" to 18" requirement. The flush control is mounted on the wrong side of the water closet and needs to either be moved or have an auto flush installed.</p> <p>The toilet paper is mounted 4" above the grab bar, which obstructs the use of the grab bar. It must be a minimum of 12" above the grab bar and needs to be moved for compliance.</p>
<p>MEN'S RESTROOM (2nd SET):</p> <p>PRIORITY MEDIUM COST: \$ 2,360</p>	<p>The accessible stall has the right size, but is not completely compliant. The center line is 21" which exceeds the 16" to 18" requirement.</p> <p>The urinal is in an alcove that is only 29" wide. When in an alcove, the path of travel to the urinal must be a minimum of 36" wide. This needs to be altered for compliance.</p>
1964 BUILDING - ASSEMBLY AREA	
<p>GENERAL INFORMATION:</p> <p>PRIORITY MEDIUM COST: \$ 1,460</p>	<p>Knobs are noted throughout this area and should be replaced with lever hardware that does not require tight grasping and twisting to operate.</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There is only 15" on the pull side of this door. A minimum of 18" is required, 24" is preferred. The door either needs to be altered, or a power assist mechanism installed. The costs provided are for a power assist mechanism to be installed.</p> <p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 36", which is not compliant. This needs to be altered for compliance.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There is only 15" on the pull side of this door. A minimum of 18" is required, 24" is preferred. The door either needs to be altered, or a power assist mechanism installed. The costs provided are for a power assist mechanism to be installed.</p> <p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 38", which is not compliant. This needs to be altered for compliance.</p>

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SECOND FLOOR ASSEMBLY AREA:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY HIGH COST: \$16,250</p>	<p>The ramp to the stage is dangerous and needs to be replaced. The slope measures from 17.3% to 17.9%, which far exceeds any reasonable tolerances. This is a liability issue and a very HIGH priority that needs to be addressed.</p> <p>The concession area has counters at 43" high. Concession counters are required to be lowered for compliance.</p>
WOMEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,250</p>	<p>There are six stalls and none are compliant. A 5' wide stall should be provided but the widest stall provided is 38", which is not compliant. This needs to be altered for compliance. Additionally, one of the stalls is required to be an ambulatory stall with grab bars on both sides and an outward swinging door.</p> <p>There is a standard height drinking fountain in the women's room vestibule. No accessible drinking fountain is provided.</p>
MEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,250</p>	<p>There are no compliant stalls. A 5' wide stall should be provided but the widest stall provided is 38", which is not compliant. This needs to be altered for compliance.</p>
THIRD FLOOR ASSEMBLY AREA:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 9,640</p>	<p>The men's and women's dressing rooms provided for this area have no accessible features. These need to be altered so at least one has a five foot wide turning area and a fully compliant bench installed.</p> <p>None of the showers provided comply. At least one of each type of dressing room needs to have a compliant shower.</p>
WOMEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$150</p>	<p>The signage is mounted on the wrong side of the door. It's required to be on the latch side of the door no more than 8" from the door frame.</p> <p>The rest of this restroom is substantially compliant.</p>
MEN'S RESTROOM:	<p>This restroom is substantially compliant.</p>
ARENA:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY HIGH COST: \$ 18,720</p>	<p>This arena has accessible seating but does not have the required fixed companion seats. Fixed companion seats must be installed for compliance and must be the same size, comfort and quality as all other seats in this arena.</p> <p>The concession counters are 43" high and are required to be lowered for compliance.</p> <p>The men's and women's restrooms (in the Perry suite) are required to have been built fully compliant, but are not. The doors are only 27" wide and do not have the required 18" on the pull side. Neither room has the required 5' turning radius. These need to be altered for compliance.</p> <p>This floor has several restrooms. One men's and one women's restroom are substantially compliant (except for the entry doors) and the other is not. The ones that are not either need to be brought into compliance or have signage install indicating the location of the nearest accessible stall.</p>

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WOMEN'S RESTROOM: PRIORITY HIGH COST: \$ 1,720	There are six stalls and one is compliant, but the door into the restroom is only 29" wide. This door needs to be altered to a minimum of 32" clear width for compliance or people needing the accessible stall can't get into it.
MEN'S RESTROOM: PRIORITY HIGH COST: \$ 1,720	There are five stalls and one is compliant, but the door into the restroom is only 29" wide. This door needs to be altered to a minimum of 32" clear width for compliance or people needing the accessible stall can't get into it.
WOMEN'S RESTROOM: PRIORITY HIGH COST: \$ 4,250	The entry door is only 29" clear width. It's required to have a minimum 32" clear width. This restroom only has one ambulatory stall and no standard stall. The rest of the features are compliant.
MEN'S RESTROOM: PRIORITY HIGH COST: \$ 4,250	The entry door is only 29" clear width. It's required to have a minimum 32" clear width. This restroom only has one ambulatory stall and no standard stall. The rest of the features are compliant.
SECOND SIDE OF THE ARENA:	
GENERAL INFORMATION: PRIORITY HIGH COST: \$ 13,250	This arena has accessible seating but does not have the required fixed companion seats. Fixed companion seats must be installed for compliance and must be the same size, comfort and quality as all other seats in this arena. The concession counters are 43" high and are required to be lowered for compliance. This floor has several restrooms. One men's and one women's restroom are substantially compliant (except for the entry doors) and the other is not. The ones that are not either need to be brought into compliance or have signage install indicating the location of the nearest accessible stall.
WOMEN'S RESTROOM: PRIORITY HIGH COST: \$ 2,350	There are six stalls and one is compliant, but the door into the restroom is only 29" wide. This door needs to be altered to a minimum of 32" clear width for compliance or people needing the accessible stall can't get into it. The accessible stall has the flush control on the wrong side. This needs to be altered or an auto-flush installed.
MEN'S RESTROOM: PRIORITY HIGH COST: \$ 2,350	There are five stalls and one is compliant, but the door into the restroom is only 29" wide. This door needs to be altered to a minimum of 32" clear width for compliance or people needing the accessible stall can't get into it. The accessible stall has the flush control on the wrong side. This needs to be altered or an auto-flush installed.
WOMEN'S RESTROOM: PRIORITY HIGH COST: \$ 4,250	The entry door is only 29" clear width. It's required to have a minimum 32" clear width. This restroom only has one ambulatory stall and no standard stall. A standard stall should be planned to be installed. The rest of the features are compliant.

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<p>MEN'S RESTROOM:</p> <p align="right">PRIORITY HIGH COST: \$ 4,250</p>	<p>The entry door is only 29" clear width. It's required to have a minimum 32" clear width.</p> <p>This restroom only has one ambulatory stall and no standard stall. A standards stall should be planned to be installed. The rest of the features are compliant.</p>
<p>LOWER LEVEL ARENA:</p>	
<p>WOMEN'S RESTROOM:</p> <p align="right">PRIORITY HIGH COST: \$ 4,250</p>	<p>There are six stalls and none are compliant. A 5' wide stall should be provided but the widest stall provided is 39", which is not compliant. This needs to be altered for compliance. Additionally, one of the stalls is required to be an ambulatory stall with grab bars on both sides and an outward swinging door.</p> <p>The entry door to this toilet room is only 29" wide and needs to be altered so the clear width is a minimum of 32" clear.</p>
<p>MEN'S RESTROOM:</p> <p align="right">PRIORITY HIGH COST: \$ 4,250</p>	<p>There are three stalls and none are compliant. A 5' wide stall should be provided but the widest stall provided is 38", which is not compliant. This needs to be altered for compliance.</p> <p>The entry door to this toilet room is only 29" wide and needs to be altered so the clear width is a minimum of 32" clear.</p>
<p>WOMEN'S RESTROOM:</p> <p align="right">PRIORITY HIGH COST: \$ 4,250</p>	<p>There are twelve stalls and none are compliant. A 5' wide stall should be provided but the widest stall provided is 39", which is not compliant. This needs to be altered for compliance. Additionally, one of the stalls is required to be an ambulatory stall with grab bars on both sides and an outward swinging door.</p> <p>The entry door to this toilet room is only 29" wide and needs to be altered so the clear width is a minimum of 32" clear.</p> <p>None of the lavatories or mirrors are compliant.</p>
<p>MEN'S RESTROOM:</p> <p align="right">PRIORITY HIGH COST: \$ 6,550</p>	<p>There are six stalls and none are compliant. A 5' wide stall should be provided but the widest stall provided is 39", which is not compliant. This needs to be altered for compliance. Additionally, one of the stalls is required to be an ambulatory stall with grab bars on both sides and an outward swinging door.</p> <p>The entry door to this toilet room is only 29" wide and needs to be altered so the clear width is a minimum of 32" clear.</p> <p>None of the lavatories or mirrors are compliant.</p> <p>None of the urinals are compliant.</p>

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1. Entrances. The main entry doors are substantially compliant and have signage indicating the accessible routes.

2. Entrances. The main entry doors are substantially compliant and have signage indicating the accessible routes.



3. Restrooms. The majority of the restrooms are not compliant. It is necessary to make more of the restrooms compliant in the older area. Most of the restrooms have alternate stalls only and some, like this one, don't have a compliant path of travel to the stall,

4 Doors. Doors in the public areas are required to have lever hardware that does not require tight grasping/twisting to operate.

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5. Restrooms. Even some of the larger restrooms only have alternate stalls. Standard stalls, that are 5' wide, are required in all the public restrooms unless there is a structural reason why they can not be provided.

6. Showers - None of the showers provided for performers are compliant. Even when seats are installed they do not meet any published standards. At least one dressing room/shower area needs to be compliant in each area.



7. Seating - Seating platforms are provided for accessible seating, but no fixed companion seats are provided.

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Gilcrease Museum	
TOTAL COSTS:	\$ 65,472	
GENERAL NOTES:		
	<p>This complex is comprised of two buildings, one has historical designation. The main building is the museum and our main focus of this report. The historical building will be discussed, but there are elements that are allowed to be non-compliant because of the historical designation. The historical building is used for art classes for adults and children and that requires as much access as possible without damaging historical value.</p> <p>The main building, the museum, is required to be fully compliant. It currently has very few compliant restrooms, even in areas that have recently been renovated. Some are identified as accessible, but are not. Because of renovations and the amount of time that has already passed, restrooms should be a priority for this facility.</p> <p>Hardware is mixed, some levers have replaced knobs but not in all areas. At some point the hardware should be replaced but this isn't a high priority.</p>	
PARKING LOTS:	<p>This complex has two main parking lots. The "main" lot (as referred to in this report) serves both the mansion and the main museum. The "back" lot (as referred to in this report) only serves the museum and appears to be used more for employee parking than for the public, although it is not designated that way.</p> <p>SEE NOTE BELOW:</p>	
NUMBER OF ACCESSIBLE PARKING SPACES	<p><u>MAIN LOT:</u> 109 spaces/ 6 H/C 5 required</p>	<p><u>BACK LOT:</u> 67 spaces/ 4H/C 3 required</p>
PARKING VIOLATIONS:		
	Main Lot:	The main parking lot has six accessible parking spaces, none of which are fully compliant. The slope of the accessible parking spaces range from 2.4% to 4.5%. These are never supposed to be over 2% in any direction. The path of travel from the accessible parking spaces to the building entrances, for both buildings, is not compliant. This will need resolution for compliance.
	Back Lot:	None of the accessible parking spaces in the back lot have access aisles or a compliant path of travel to the building entrance. See sections below for the exterior conditions. -
SPECIAL NOTE	<p>PLEASE NOTE: The "back" parking lot seems to also be the lot for Stuart Park. Although Stuart Park was not studied as part of this project, it does not appear to have any access to it and should be looked at relatively quickly.</p>	

CITY OF TULSA – BUILDING REPORT

PARKING RECOMMENDATIONS:	
<p style="color: red; margin: 0;">PRIORITY HIGH</p> <p style="color: green; margin: 0;">COST: \$4,579</p>	<p>Main Lot:</p> <p>The slope of the accessible parking spaces exceeds the required 2%. The spaces on both ends (closest to and furthest from the building) are the two worst, in terms of slope. I recommend using a 1% tolerance (allowing slopes up to 3%). Using that formula, the only two spaces that need resolution are the first and last spaces, where slopes are up to 4.5%. If these are altered (or topped) to get the slope down below 3%, the other four spaces are in an acceptable tolerance.</p> <p>Back Lot:</p> <p>Restripe the lot so each accessible parking space has an access aisle, and the access aisle leads to an accessible route to the accessible entrance.</p>
EXTERIOR CONDITIONS, MAIN PARKING LOT:	
	<p>The main parking lot has a path of travel from it to the main museum building as well as to the historical mansion, neither of these paths comply:</p> <p>The path from the accessible parking in the main lot to the historical mansion has a cross slope up to 4.4% after the street is crossed, and requires travel in a vehicular route.</p> <p>The sidewalk from the accessible parking is close to compliant, there are a couple areas that have the sidewalk sections that don't match so they are level. The level changes are over 1/4" and, therefore, need to be resolved.</p> <p>There is a level change along the path of travel from the mansion to the main museum, where the street is crossed.</p>
RECOMMENDATIONS:	
<p style="color: red; margin: 0;">PRIORITY HIGH</p> <p style="color: green; margin: 0;">COST: \$ 3,478</p>	<p>Ensure the cross walk goes from the end of the sidewalk (leading to the accessible spaces) directly across the street to the mansion. Replace the bottom of the sidewalk (approximately 7 feet) with a path of travel that meets the slope and cross slope requirements. The rest of the path of travel is acceptable.</p> <p>Grind the level changes down to provide a smooth transition from the accessible parking to the main museum building entrance or provide a beveled transition to overcome them with a smooth transition.</p>
EXTERIOR CONDITIONS, BACK PARKING LOT:	
	<p>The curb ramp from the back parking to the main entry does not comply. The slope and cross slope both exceed acceptable tolerances. This needs to be altered for compliance.</p>
RECOMMENDATION:	
<p style="color: red; margin: 0;">PRIORITY HIGH</p> <p style="color: green; margin: 0;">COST: \$ 2,685</p>	<p>Replace the curb ramp that leads from this parking lot to the museum building.</p>

CITY OF TULSA – BUILDING REPORT

MANSION BUILDING, MAIN ENTRANCE:	
	The threshold to the main entry is too high, measuring 1" in level change. The door has a round knob that requires tight grasping and twisting to operate.
	RECOMMENDATION:
PRIORITY MEDIUM COST: \$ 1,110	Install new door threshold or ramp to overcome level change, provide lever hardware IF doing so will not interfere with historic value.
VERTICAL ACCESS, MANSION BUILDING:	
PRIORITY MEDIUM* COST: \$	Vertical access is not provided between the floors of this building. No public activities occur upstairs and currently no public access is provided for anyone. If the use of this building is altered and the upstairs is utilized for public activities, an elevator will need to be installed unless doing so would interfere with historical significance.
<small>*As noted ... costs for elevator installation were not figured into the spread sheet and will only become necessary if the upper level is used for public purposes.</small>	Since the upstairs is not currently open to the public, the cost of the elevator installation was not included in the costs and will only become an issue if building use is changed.
MANSION BUILDING INTERIOR ISSUES:	
GENERAL INFORMATION	Nothing in this building has been altered for compliance and only slight modifications have been made. Because the building is only used for a few classes, and not used on a regular daily basis. no cost has been spent on modifying this building, except in the restrooms. All other elements will need to be altered for compliance unless protected as historically significant elements.
MEN'S RESTROOM (Single user):	The grab bars are mounted at 37" aff instead of the required 36" aff. The center line of the water closet is 19 1/4" instead of the required 18". The flush control mechanism is on the wrong side of the water closet. The signage is mounted on the door instead of on the wall next to the door as required. It will need to be moved for compliance.
PRIORITY LOW COST: \$ 1,235	
WOMEN'S RESTROOM (Single user):	The grab bars are mounted at 37" aff instead of the required 36" aff. The side grab bar is mounted too close to the back wall, it is required to be 12" from the back wall. The signage is mounted on the door instead of on the wall next to the door as required. It will need to be moved for compliance.
PRIORITY LOW COST: \$ 460	
MAIN MUSEUM BUILDING INTERIOR ISSUES:	
GENERAL INFORMATION:	Access has been provided to all of the galleries.
PRIORITY MEDIUM* COST: \$ 4,860	The main entry counter provided is 48" high and will need to be lowered to 36" maximum for compliance.
PRIORITY LOW** COST: \$ 1,100	The door to the volunteer area does not have the required 18" on the pull side of the door. This will either need to be altered or a power assisted door added.

CITY OF TULSA – BUILDING REPORT

<p>* This cost is for altering both the counter in the gift shop and the main counter. Restroom costs are under the restroom sections.</p> <p>**This cost is for altering the door in the volunteer area.</p>	<p>Most of the restrooms do not comply. We have elevated the priority to bring the restrooms near the Vista Room and Restaurant into compliance. At least one of the two sets needs to comply if both sets can't be done (which is what we recommend). Make sure ALL non compliant restrooms have signage indicating the location of the nearest accessible restroom.</p>
<p>GIFT SHOP:</p> <p style="text-align: right;">Costs noted above</p>	<p>Both of the counters in the gift shop are too high. The main counter is 42" high and the jewelry counter is 40" high. Both need to be lowered, or have a section that is at least 36" wide lowered, to 36" maximum height.</p>
<p>MEN'S RESTROOM (nearest gift shops):</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 5,160</p>	<p>The pipes are not wrapped underneath the lavatory.</p> <p>The stall is only 36" wide with grab bars on both sides.</p> <p>The urinal center line is 12 1/2" from the wall instead of 18" as required. It's in an alcove 27" deep, which means the path of travel to it needs to be 36"</p> <p>Water closet center line is 14 1/2" instead of the required 18".</p>
<p>WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 5,160</p>	<p>The pipes are not wrapped underneath the lavatory.</p> <p>The stall is only 36" wide with grab bars on both sides. Five stalls are provided, none of which are accessible.</p> <p>Water closet center line is 20 1/4" instead of the required 18".</p>
<p>LEARNING CENTER, BREAK ROOMS AND MISCELLANEOUS ROOMS, FIRST FLOOR</p>	
<p>GENERAL INFORMATION</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 4,240</p>	<p>The ramps throughout the galleries are slightly over the maximum slope, but within 1% which is an acceptable tolerance. We do not recommend fixing these ramps. Existing conditions would prevent full compliance and it would be a waste of money.</p> <p>The break room has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath.</p> <p>The dressing room is 44" by 57", which does not allow the five foot turning radius as required.</p> <p>The coffee bar in the administration area is 36" high with cabinets underneath preventing the required knee clearance.</p>
<p>MEN'S RESTROOM (by Vista room)</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$4,525</p>	<p>This restroom has a 29" door and no accessible features. Nothing compliant at all in these restrooms. Because of the location of these restrooms, best serving the Vista Room, these should be brought into compliance as a higher priority.</p>
<p>WOMEN'S RESTROOM (by Vista room):</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$4,525</p>	<p>This restroom has a 29" door and no accessible features. Nothing compliant at all in these restrooms. Because of the location of these restrooms, best serving the Vista Room, these should be brought into compliance as a higher priority.</p>

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<p>MEN'S RESTROOM (by restaurant)</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$4,775</p>	<p>This restroom has no accessible features. Nothing compliant at all in these restrooms.</p> <p>Because of the location of these restrooms, best serving the restaurant, these should be brought into compliance as a higher priority.</p>
<p>WOMEN'S RESTROOM (by restaurant)</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$4,775</p>	<p>This restroom has no accessible features. Nothing compliant at all in these restrooms.</p> <p>Because of the location of these restrooms, best serving the Vista Room, these should be brought into compliance as a higher priority.</p>
<p>MISCELLANEOUS ROOMS, SECOND LEVEL</p>	
<p>GENERAL INFORMATION:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$1,765</p>	<p>The stair case is an overhead protrusion. The area under the stairs needs to be protected so it isn't a potential hazard. This can be done many ways. A railing could be installed, a decorative feature can be installed, permanent storage could be provided ... anything that protects the area underneath the stairs.</p> <p>The volunteer break room has a 36" counter with cabinets underneath that prevent knee clearance.</p>
<p>EMPLOYEE RESTROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 3,180</p>	<p>These restrooms have no accessible features.</p>
<p>VOLUNTEER MEN'S AND WOMEN'S RESTROOM (Single User):</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 220</p>	<p>(These are the most compliant restroom found)</p> <p>The mirrors in both restrooms are mounted at 49 1/2" to the bottom of the reflecting surface.</p> <p>The signage is mounted on the door instead of the wall next to the door as required.</p>
<p>MISCELLANEOUS ROOMS, THIRD LEVEL</p>	
<p>MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 3,465</p>	<p>The stall is only 48" wide with grab bars on both sides.</p> <p>The pipes under the lavatory are not wrapped or protected from contact.</p> <p>The shower has no access features. This is not required to be brought into compliance unless necessary to accommodate an employee.</p> <p>The door has only 13 1/4" on the pull side of the door. 18" is required.</p>
<p>WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 4,175</p>	<p>The stall is only 48" wide with grab bars on both sides.</p> <p>The pipes under the lavatory are not wrapped or protected from contact.</p> <p>The shower has no access features. This is not required to be brought into compliance unless necessary to accommodate an employee.</p> <p>The door has only 12 1/4" on the pull side of the door. 18" is required.</p>

CITY OF TULSA – BUILDING REPORT



1. Back parking area. *Parking spaces need to be altered so each one has an access aisle. One must be a van accessible space with a 96" access aisle and the others can be car spaces with 60" access aisles.*



2. Back parking area. *This curb ramp does not meet either the running or cross slope requirements. This should be replaced for compliance.*

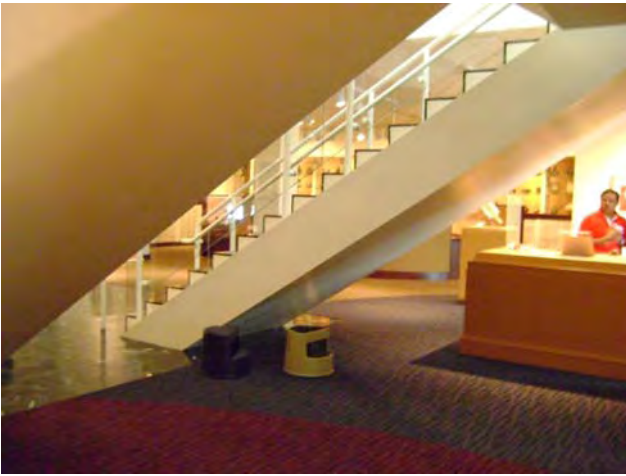


3. Restrooms. *The majority of the restrooms are not compliant. It is necessary to make more of the restrooms compliant, especially those near the Vista room and the restaurant.*



4 Restrooms. *The majority of the restrooms are not compliant. It is necessary to make more of the restrooms compliant, especially those near the Vista room and the restaurant.*

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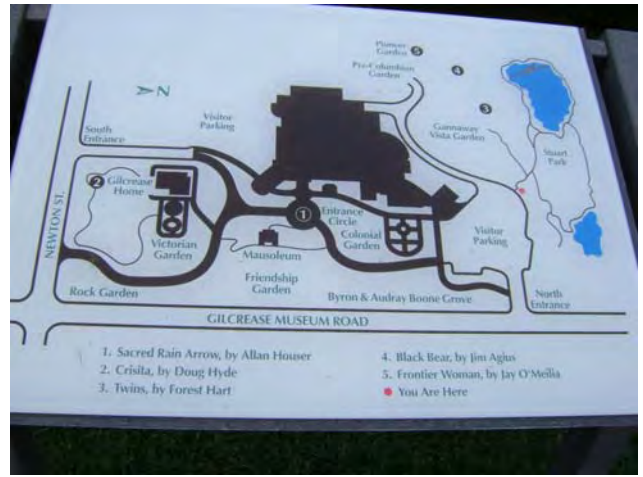
5. Second Level - These stairs are overhead protrusions. Something needs to be provided to protect the area underneath them from potential contact. There are many options on what can be put under there.



6. Break Rooms/coffee bars - All of the sinks serving coffee bars and break rooms have 36" counters and cabinets underneath the sinks, which obstruct the required knee clearance.



7. Showers - The showers provided have no access features. Showers should only be made compliant if used by the public, or a specific employee needs access features. Otherwise, compliance for these is a low priority.



8. Stuart Park - This park was not on our list to review, but the parking for the Museum appears to be the parking for this park. If this is the only parking, none of the accessible spaces in this lot serve this park and no accessible route to the park was noted. We felt this should be mentioned for future planning.

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Municipal Courts Building
TOTAL COSTS:	\$ 227,312
GENERAL NOTES:	
IMPORTANT NOTE:	<p>This complex is located in a downtown area. Some of the parking provided is in the lot adjacent to the building (behind) and the rest is along downtown streets. The Tulsa Convention Center garage may also be used for this building, but the garage is covered under a different report. None of the parking observed as part of this facility is compliant. The non-compliant items are discussed in more detail below.</p> <p>The highest priority in this building are the courtrooms. NONE of the existing courtrooms have any compliant features. The jury box, witness stand, bailiff's area ALL have to be compliant. The jury deliberation rooms and restrooms for the jury all have to be brought into compliance as part of this process, and should have been done already.</p> <p>This building has a lot of departments that serve the general public. As such, it falls under Title II of the ADA and by now, the majority of the restrooms and public areas should have been brought into compliance. Many have not, so those are on a higher priority now.</p> <p>Hardware is mixed, some levers have replaced knobs but not in all areas. At some point the hardware should be replaced beginning with the public areas. Employee only areas should be done, but on a lower priority. ANY construction done within the building should trigger the hardware replacement for that area.</p>
IMPORTANT NOTE:	<p>PLEASE NOTE: While assessing this facility, there were two officers/employees working who were in wheelchairs. This elevates the need for compliance in the restrooms, break rooms, conference rooms and offices where they frequent, and the city needs to ensure the area they park in is compliant. They appear to work in the "Sex Crimes" area, so this area should be altered as a higher priority. The ADA Coordinator in this area should investigate other potential accommodations needed.</p>
PARKING LOTS:	<p>The accessible parking spaces provided are not compliant. This should be resolved as a higher priority. Additionally, we do not have a full parking count for this facility, but there are only three accessible spaces that directly serve this building.</p> <p>There are parking lots across from the building that were not evaluated as part of this report. It was reported that the lots across the street were not part of this facility, although some may park there to come over. No accessible parking spaces were noted in either lot across the street. Again, that is not part of this report but a facility this size needs to have more than three accessible spaces. There has to be less than 75 parking space for three spaces to be adequate.</p> <p>For the three accessible parking spaces provided, they have no access aisle, no accessible route to the building entrance unless travel takes place in the vehicular route. The curb ramp to the CIC entrance has a steep slope (12.2%) and needs to be replaced.</p>

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NUMBER OF ACCESSIBLE PARKING SPACES	C.I.C LOT: 3 accessible spaces, none compliant.
PARKING VIOLATIONS:	
	The accessible lot has three accessible parking spaces, none of which are fully compliant. The slope of the accessible parking spaces is acceptable, but there are no access aisles serving the parking spaces. The path of travel from the accessible spaces provided to the entrance at C.I.C requires travel in the vehicular route. This will need resolution for compliance. See sections below for the exterior conditions. -
PARKING RECOMMENDATIONS:	
PRIORITY HIGH COST: \$46,569	Restripe the parking spaces to include an access aisle for each space. Add at least two more spaces when restriping. The access aisle needs to be 96" wide for at least one space and that space must be identified (with signage) as "van" accessible. The rest of the access aisles must be a minimum of 60". Install curb ramps in front of the accessible parking spaces so that each curb ramp serves two spaces and they connect to the accessible route to the entrance. The curb ramps around the building, serving the city streets, also provide access to this building, none of which are currently compliant. The curb ramps serving the streets around this building should all be brought into compliance. The ones providing direct access from the bus stops and parking areas should be completed first.
MUNICIPAL BUILDING, ENTRANCES:	
	The main entrance is substantially compliant. The CIC entrance is also substantially compliant. This building has multiple entrances and more than 50% of them are considered accessible, so no work needs to be done to the entrances themselves.
VERTICAL ACCESS:	
	Vertical access is provided between the floors of this building.
MUNICIPAL BUILDING INTERIOR ISSUES:	
CIC AREA:	
GENERAL INFORMATION	There are many different department in this building. This report follows the path we took, which begins at the CIC entrance. Each department is identified.
MEN'S RESTROOM (inside CIC door):	The door has 16 1/2" on the pull side instead of the required 18". We do not require altering this unless the restroom is going to be altered as part of another project. The lavatory is mounted too low. It's 28 1/4" to the top with only 24 1/4" knee clearance. A minimum of 27" knee clearance is required. Lavatory must be raised for compliance. The top of the lavatory should

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<p>PRIORITY MEDIUM COST: \$ 2,235</p>	<p>not exceed 34" aff.</p> <p>The stall door is directly in front of the water closet instead of opening to the wide side of the water closet as required. The partition needs to be moved for compliance.</p> <p>The flush control mechanism is on the wrong side of the water closet.</p>
<p>WOMEN'S RESTROOM (inside CIC door):</p> <p>PRIORITY MEDIUM COST: \$ 1,460</p>	<p>The door has 17" on the pull side instead of the required 18". We do not require altering this unless the restroom is going to be altered as part of another project.</p> <p>The lavatory is mounted too low. It's 29" to the top with only 25" knee clearance. A minimum of 27" knee clearance is required. Lavatory must be raised for compliance. The top of the lavatory should not exceed 34" aff.</p> <p>The paper towel dispenser is a protruding object. It protrudes 11" into the path of travel and is mounted above 27". Nothing over 4" is allow to protrude into the circulation path. Either move the dispenser so it's not part of a circulation path or replace it with a compliant type.</p>
<p>NEW COM INV CENTER:</p> <p>PRIORITY HIGH COST: \$ 16,750</p>	<p>This area is newly built and not yet open. Because it's new construction, anything wrong needs to be resolved as a high priority:</p> <p>The door between the family waiting area and the main area has only 5 7/8" on the pull side, instead of the required 18" on the pull side. This door needs to be altered for compliance or a power assisted door opener needs to be installed. For budget purposes, the cost of the power door is figured.</p> <p>The sally port has no access to it. This is required to be altered for full compliance. This requires installation of a curb ramp and path of travel into the building.</p> <p>The counter is mounted at 49". Since this is a transaction counter, it should not be higher than 36" or there must be a section at least 36" wide at 36".</p>
<p>FORENSICS:</p>	<p>This area was locked and we were unable to gain access. Because of the specialized use of this space, there is no requirement for anything inside it to be brought into compliance unless there is an employee with a disability who needs something altered.</p>
<p>POLICE RECORDS:</p> <p>PRIORITY MEDIUM COST: \$ 2,220</p>	<p>The transaction counter is 45" high instead of the required 36" height. The counter will need to be altered for compliance.</p>
DETECTIVE DIVISION:	
<p>GENERAL INFORMATION</p> <p>PRIORITY LOW COST: \$ 980</p>	<p>The counter in this area is compliant.</p> <p>The break room counter, however, is not. This counter is 36" high with cabinets under the sink which prevents the required knee clearance. Because this is a common use area it is required to comply, even though only employees use it.</p> <p>The offices all have round knobs that require tight grasping and twisting. Hardware should be replaced</p>

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	<p>for compliance.</p> <p>The dressing room is 44" by 57", which does not allow the five foot turning radius as required.</p> <p>The coffee bar in the administration area is 36" high with cabinets underneath preventing the required knee clearance.</p>
<p>UNMARKED DETECTIVE RESTROOM: PRIORITY MEDIUM COST: \$6,658</p>	<p>This restroom has only 4" on the pull side of the door. A minimum of 18" is required. The door will be required to be altered for compliance or a power assisted device installed. Costs estimated are for the installation of a power assist device.</p> <p>There are no compliant stalls. A single 5' wide stall should be provided.</p> <p>The urinal is 24" high, it is not allowed to be more than 17" and must be lowered for compliance.</p> <p>The lavatory is the right height but the pipes underneath it are not wrapped, the faucets require tight grasping and twisting to operate and the mirror is mounted at 48" instead of the required 40" height.</p>
POLICE RECORDS:	
<p>WOMEN'S RESTROOM: PRIORITY MEDIUM COST: \$ 5,650</p>	<p>There are no compliant stalls. A 5' wide stall should be provided.</p> <p>The lavatory is the right height but the pipes underneath it are not wrapped, the faucets require tight grasping and twisting to operate and the mirror is mounted at 48" instead of the required 40" height.</p> <p>The paper towel dispenser is mounted too high at 61". It needs to be lowered so the highest operable part it 48" maximum.</p> <p>The signage is mounted on the door and needs to be moved to the wall adjacent to the door, no more than 8" from the door frame.</p>
<p>COUNTERS: PRIORITY MEDIUM COST: \$ 4,430</p>	<p>The cashier's counter is 50 1/4" high and is required to be no more than 36" maximum.</p> <p>The Warrants counter is 38" high and is required to be no more than 36" maximum.</p> <p>The court records counter is 38" high and is required to be no more than 36" maximum.</p>
PROBATION OFFICE:	
<p>GENERAL INFORMATION: PRIORITY LOW COST: \$ 860</p>	<p>Knobs are noted throughout this department and should be replaced with lever hardware that does not require tight grasping and twisting to operate.</p>
<p>TWO PRIVATE RESTROOMS:</p>	<p>These restrooms have no accessible features. Since they are for private use, these are not required to be brought into compliance unless the private user needs them to be.</p>
<p>PUBLIC RESTROOM:</p>	<p>There are no compliant stalls. A 5' wide stall should be provided.</p> <p>The lavatory is acceptable. The mirror is mounted at 48" aff and needs to be lowered so the bottom of the reflecting surface is no higher than 40" aff.</p> <p>The paper towel dispenser protrudes into the circulation path 11 1/2". This needs to be moved out of the circulation path or replaced with one that does not protrude more than 4" into the path of travel.</p>

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<p>PRIORITY MEDIUM COST: \$ 5,320</p>	<p>The signage is mounted on the door and needs to be moved to the wall adjacent to the door, no more than 8" from the door frame.</p>
<p>JUDGE, BALIFF, MINUTE CLERK, LAW LIBRARY AND JUDICIAL AREAS</p>	
<p>GENERAL INFORMATION: PRIORITY LOW COST: \$ 460</p>	<p>Knobs are noted throughout this department and should be replaced with lever hardware that does not require tight grasping and twisting to operate.</p>
<p>DIVISION I JURY ROOM: PRIORITY MEDIUM COST: \$ 3,220</p>	<p>Break room has 36" high counters with cabinets under the sink that prevent the required knee clearance. Since this is used by the general public, it is required to be brought into compliance on a higher priority. That means the counter must be lowered to 34" and knee clearance provided.</p> <p>The big screen mounted on the wall is a protruding object. It protrudes 24" into the circulation path at 56" height. This either needs to be raised so it is above 80" or something permanent mounted underneath it.</p>
<p>JUDGE'S CHAMBER</p>	<p>The door to the Judge's Chamber has only 16" on the pull side instead of the required 18". We do not recommend altering this unless there is a judge who needs the alteration.</p>
<p>JUDGE'S RESTROOM:</p>	<p>This restrooms has no accessible features. Since it is for private use, it is not required to be brought into compliance unless the private user needs it to be.</p>
<p>WARRANT OFFICE: PRIORITY LOW COST: \$ 260</p>	<p>Knobs are noted throughout this department and should be replaced with lever hardware that does not require tight grasping and twisting to operate.</p>
<p>THIRD FLOOR:</p>	
<p>COUNTY HOLDING FOR COURTS: PRIORITY MEDIUM COST: \$ 3,450</p>	<p>301 Conference Room - Has 36" high counter with cabinets under the sink that prevent the required knee clearance. This is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p>
<p>POLICE CHIEF BREAK ROOM: PRIORITY MEDIUM COST: \$ 4,650</p>	<p>Break room has 36" high counter with cabinets under the sink that prevent the required knee clearance. It is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p> <p>The reception desk is currently 42" and needs to be lowered to 36" or have a section of it that is 36" wide lowered to 36" for compliance.</p>
<p>MEN'S RESTROOM: PRIORITY LOW COST: \$ 4,630</p>	<p>The stall is only 48" wide with grab bars on both sides. The center line of the water closet is 21". This needs to be a 5' wide stall and the center line of the water closet is required to be 18".</p> <p>The pipes under the lavatory are not wrapped or protected from contact.</p> <p>The urinal needs to be lowered so the rim is no higher than 17" aff.</p>
<p>INTERNAL AFFAIRS: PRIORITY LOW</p>	<p>Break room has 36" high counter with cabinets under the sink that prevent the required knee clearance. It is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p>

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COST: \$ 5,860	The reception desk is currently 42" and needs to be lowered to 36" or have a section of it that is 36" wide lowered to 36" for compliance.
SEX CRIMES:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY LOW COST: \$ 6,840</p>	<p>Break room has 36" high counter with cabinets under the sink that prevent the required knee clearance. It is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p> <p>The reception desk is currently 42" and needs to be lowered to 36" or have a section of it that is 36" wide lowered to 36" for compliance.</p> <p>The door to the break room has only 4 3/4" on the pull side where 18" minimum is required. This door needs to be moved or a power assisted device installed for compliance.</p> <p>The phones (for public use) are mounted with the highest operable part at 58" instead of 48" as required.</p>
WOMEN'S RESTROOM: <p style="text-align: right;">PRIORITY LOW COST: \$ 2,150</p>	<p>This restroom is substantially compliant except for the location of the paper towel dispenser, which protrudes into the circulation path.</p> <p>Only one drinking fountain is provided and it's at standard heights. A drinking fountain at accessible heights (36") needs to be added.</p>
COMSTAT PLAZA:	
GENERAL INFORMATION:	The majority of the offices/rooms in this area have knobs as door hardware instead of levers. Hardware should be replaced as areas are altered and/or if there is an employee with limited dexterity in the area.
WOMEN'S RESTROOM: <p style="text-align: right;">PRIORITY LOW COST: \$ 3,720</p>	<p>The stall is only 41" wide with grab bars on both sides.</p> <p>The pipes under the lavatory are not wrapped or protected from contact. The faucets require tight grasping and twisting to operate.</p> <p>Signage is mounted overhead instead of on the wall next to the latch side of the door.</p>
MEN'S RESTROOM: <p style="text-align: right;">PRIORITY LOW COST: \$ 920</p>	<p>The pipes under the lavatory are not wrapped or protected from contact. The faucets require tight grasping and twisting to operate.</p> <p>Signage is mounted overhead instead of on the wall next to the latch side of the door.</p>
COMSTAT ROOM: <p style="text-align: right;">PRIORITY LOW COST: \$ 3,850</p>	This is a huge room with three sinks installed, none of which comply. All three sinks are on 36" counters with cabinets underneath that prevent the required clear floor space. ONE of them should be altered so the counters are 34" high and the required knee clearance is provided. Because of the use of this space, this only needs to be done if there is an officer or employee in a wheelchair who needs it, or if the room is loaned or rented out to the public for any reason.
SECOND FLOOR, COMSTAT:	
WOMEN'S RESTROOM: <p style="text-align: right;">PRIORITY LOW</p>	<p>The stall is only 41" wide with grab bars on both sides.</p> <p>The pipes under the lavatory are not wrapped or protected from contact. The faucets require tight</p>

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COST: \$ 3,720	<p>grasping and twisting to operate.</p> <p>Signage is mounted overhead instead of on the wall next to the latch side of the door.</p>
<p>COMSTAT BREAK ROOM:</p> <p>PRIORITY LOW</p> <p>COST: \$ 4,250</p>	<p>Break room has 36" high counter with cabinets under the sink that prevent the required knee clearance. It is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p> <p>The microwave oven is mounted on a high shelf so the highest operable part is 68". This either needs to be lowered or a second microwave provided at accessible heights. This does not need to be done unless employees with disabilities use this area or the area is loaned/rented out to other departments or to the general public.</p>
GYM:	This gym area is substantially compliant.
OFFENDER REGISTRATION:	
<p>GENERAL INFORMATION:</p> <p>IMPORTANT NOTE:</p> <p>PRIORITY HIGH</p> <p>COST: \$ 3,850</p>	<p>This area is a higher priority because of the access to the public.</p> <p>This area is served through the parking garage/overhang and other vehicles use this space. There are offenders who frequent this area who use wheelchair and a ramp is provided. However, when the "Crime Scene" van backs in it tends to pull all the way to the curb and blocks the access between the ramp and the entry door. Installation of a wheel stop 3 1/2' from the curb will protect the accessible route for this department.</p> <p>The break room has 36" high counter with cabinets under the sink that prevent the required knee clearance. It is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p>
<p>TWO UNMARKED RESTROOMS:</p> <p>PRIORITY MEDIUM</p> <p>COST: \$ 3,910</p>	<p>These are single user restrooms, not marked "men's and women's". The size is acceptable but no grab bars are installed. The slope of the floor in both of them exceeds the allowable 2% slope. We recommend concentrating on making ONE of these fully accessible to serve the population and make sure it is properly marked with signage.</p> <p>Install the proper grab bars.</p> <p>The water closets are at standard heights (15"), replace one of them with a 17" to 19" high seat.</p> <p>Fix the floor area on one of them to ensure the slope of the floor does not exceed more than 2% to the drain.</p>
TAEMA AREA - BASEMENT	
<p>GENERAL INFORMATION:</p> <p>PRIORITY LOW</p>	<p>The main door in this area has only 2" on the pull side instead of the required 18". This will need to be altered for compliance.</p> <p>Only one drinking fountain is provided. Where there is one, there must be two. One for people who use wheelchair (mounted at 36" to the spout) and one at standard heights (38" to 43" to the spout). Install another drinking fountain to satisfy this requirement.</p> <p>The break room has 36" high counter with cabinets under the sink that prevent the required knee</p>

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<p>COST: \$ 5,340</p>	<p>clearance. It is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p> <p>The majority of the offices/rooms in this area have knobs as door hardware instead of levers. Hardware should be replaced as areas are altered and/or if there is an employee with limited dexterity in the area</p>
<p>DIRECTOR'S OFFICE</p>	<p>There is a small single user restroom that has no access features and a 25" entry door. This is not required to be brought into compliance unless the area is altered or the user of this space needs it to be done to accommodate a disability.</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY LOW COST: \$ 5,740</p>	<p>The door into this room is only 29" wide with only 4" on the pull side of the door. The door must be a minimum of 32" clear width with at least 18" on the pull side of the door.</p> <p>The stall is only 40" wide with grab bars on both sides and the door swings in. A stall that is a minimum of 60" wide is required, with clear floor space for the water closet.</p> <p>The pipes under the lavatory are not wrapped or protected from contact. The faucets require tight grasping and twisting to operate.</p> <p>The shower has no access features. This is not required to be brought into compliance unless necessary to accommodate an employee.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY LOW COST: \$ 5,740</p>	<p>The door into this room is only 29" wide with only 4" on the pull side of the door. The door must be a minimum of 32" clear width with at least 18" on the pull side of the door.</p> <p>The stall is only 40" wide with grab bars on both sides and the door swings in. A stall that is a minimum of 60" wide is required, with clear floor space for the water closet.</p> <p>The pipes under the lavatory are not wrapped or protected from contact. The faucets require tight grasping and twisting to operate. The mirror is mounted at 45" instead of 40" as required.</p> <p>The shower has no access features. This is not required to be brought into compliance unless necessary to accommodate an employee.</p>
<p>NOTE:</p>	<p>There is an accessible shower in this area, but the seat was taped up and it has a fixed shower head. It would be easy to make this shower fully compliant and use it as a unisex shower to serve this area.</p>
<p>FULL KITCHEN:</p> <p>PRIORITY LOW COST: \$ 4,860</p>	<p>A full kitchen is provided but not currently used. If this area is altered and this kitchen becomes used, the following things will have to be addressed:</p> <p>The kitchen has a 36" high counter with cabinets under the sink that prevent the required knee clearance. It is required to be brought into compliance, which means the counter must be lowered to 34" and knee clearance provided.</p> <p>There are two doors into this kitchen, both have knob hardware and between 3" and 4" on the pull side of the door. At least one of the doors needs to be changed to have accessible lever hardware and at least 18" on the pull side of the door.</p>

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DIVISION I COURT	
PRIORITY HIGH COST: \$ 18,920	This court has no access to it at all. The jury box, witness stand, judge's bench, bailiff's area all have no access to them. This needs to be altered as a HIGH priority.
DIVISION II COURT	
PRIORITY HIGH COST: \$ 18,920	This court has no access to it at all. The jury box, witness stand, judge's bench, bailiff's area all have no access to them. This needs to be altered as a HIGH priority.
DIVISION III COURT	
PRIORITY HIGH COST: \$ 18,920	This court has no access to it at all. The jury box, witness stand, judge's bench, bailiff's area all have no access to them. This needs to be altered as a HIGH priority.

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1. Back parking area. *Parking spaces need to be altered so each one has an access aisle. One must be a van accessible space with a 96" access aisle and the others can be car spaces with 60" access aisles.*



2. Back parking area. *This curb ramp does not meet either the running or cross slope requirements. This should be replaced for compliance as a bare minimum, but the installation of new curb ramps directly serving the parking spaces is ultimately required. .*



3. Restrooms. *The majority of the restrooms are not compliant. It is necessary to make more of the restrooms compliant, especially those noted in this report as a high priority, where they serve the general public.*



4 Break Rooms/coffee bars. *All of the break room and coffee bars are on 36" high counters with cabinets that prevent knee clearance. These will need to be altered for compliance and the areas that serve the general public are the ones that should be done first. Those are noted in this report.*

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5. Counters - Many of the counters where information is exchanged are mounted too high. Counters may not be higher than 36". Long counters can have a section that is at least 36" wide at the 36" height.



6. Drinking fountains - Most areas have only one drinking fountain. Where there is one there must be two. One at accessible heights (36" high) and one for people who have trouble bending or stooping (standard height 38" to 43"). In some cases the one provided is accessible (above) and in some cases it's standard. In each area, the other style drinking fountain needs to be installed.




7. Signage - Signage is required to be mounted at 60" to the center of the sign and have both raised texture and Braille. Signage like this is not allowed to be the only means of identifying a space.



8. Jury boxes - None of the jury boxes or courtrooms have access to them. This is a high priority item that must be brought into compliance as quickly as possible. You can start with one of the courtrooms, but all should have been done by now and this process should begin quickly.

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<p>9. Offender Registration - When the crime scene van pulls all the way back, which it often does, it blocks the only route to the Offender Registration office. A wheel stop needs to be installed to protect this accessible route.</p>	

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BUILDING NAME:	Mary K Oxley Nature Center
TOTAL COSTS:	\$33,500
GENERAL NOTES:	
	<p>This building is open to the public year round. It serves student classes as well as the general public. There are many trails around the property with natural views. This building was built brand new and, therefore should be fully compliant.</p> <p>While there are many compliant features, full compliance was not achieved in this new property.</p> <p>Even the exterior trails need to have some level of accessibility.</p> <p>Because this building was built new and was supposed to be in compliance, ALL items noted are a high priority.</p>
PARKING LOTS:	<p>There is only one lot serving this building and it has 28 total parking spaces. There are two that are designated as accessible but they have no access aisle provided and do not have proper signage.</p> <p>The path of travel from the parking lot to the main entrance of the building has a ramp, but the foliage is overgrown and not maintained. This will need to be a regular maintenance item for this ramp as well as along the trails. A minimum width of 36" must be maintained.</p> <p>The number of accessible spaces provided is acceptable for the total number of parking spaces.</p>
NUMBER OF ACCESSIBLE PARKING SPACES	<p>28 spaces/ 2 H/C</p> <p>2 required</p>
PARKING VIOLATIONS:	
	The accessible parking spaces have no access aisles and do not have proper signage. They are required to be fully compliant.
PARKING RECOMMENDATIONS:	
<p style="color: red; text-align: center;">PRIORITY HIGH</p> <p style="color: green; text-align: center;">COST: \$ 2,550</p>	<p>Restripe these spaces so they are 96" wide and share a 96" access aisle. Install signage indicating they are reserved accessible parking spaces and at least one of them must have a "van" accessible sign.</p> <p>The accessible parking spaces signage poles need to provide the signs a minimum of 80" above the parking surface.</p> <p>Additionally, ensure the ramp to the main entrance is properly maintained and foliage keeps the path of travel clear.</p>
BUILDING INTERIOR ISSUES:	
GENERAL INFORMATION:	The vestibule doors open separately and only have 45" between them. They are required to have a minimum of 48" between them. The most cost effective solution is to adjust the power assisted doors so they open together when activated.

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<p>PRIORITY HIGH COST: \$ 4,550</p>	<p>The classroom, which is open to the public, has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p> <p>The employee break room has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p>
<p>MEN'S AND WOMEN'S PUBLIC RESTROOMS: PRIORITY HIGH COST: \$ 1,670</p>	<p>This restroom is substantially compliant except the baby changing tables are located inside the accessible stalls. They are required to be located in the common use areas. The most cost effective solution would be to install a second one in a compliant location so patching of the walls isn't necessary in the accessible stall. .</p>
<p>SINGLE USER PRIVATE RESTROOM: PRIORITY HIGH COST: \$ 3,880</p>	<p>This restroom is substantially compliant except it has a shower with no compliant features. Not even the size of the shower complies. Additionally, there is a slope to the drain in the shower that exceeds the allowable 2% slope. This slope must be maintained in all directions. This is required to be compliant since it was built brand new.</p>
BUILDING EXTERIOR ISSUES:	
<p>RAMP TO RED FOX TRAIL: PRIORITY HIGH COST: \$ 15,850</p>	<p>This ramp is not compliant, yet was built brand new. The slope at the top is 13.5% which FAR exceeds any allowable tolerance. This ramp also does not have compliant handrails and it has a poor transaction at the bottom.</p> <p>All of these items need to be resolved for compliance. These are high priority items both because it's new construction and because the 13.5% slope is a liability to the city.</p>
<p>EXTERIOR TRAILS: PRIORITY HIGH COST: \$ 5,000</p>	<p>The outdoor trails vary in compliance. While they are not required to be paved, they do have to meet the width requirements and be maintained to reduce ruts and level changes. Generally, a bonding agent will do this.</p> <p>The trails were not in compliant shape at the time of the inspection. This will be an ongoing maintenance issue and a high risk of complaint if not properly maintained. We have added some costs for resurfacing the pits we found, but not enough for the entire trail.</p>

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1. Parking area. The accessible parking spaces do not have any access aisles or compliant signage. This needs to be altered for compliance.



2. Main Entry Ramp. This ramp had foliage growing into the path of travel and needs to be properly maintained for compliance.



3. Main Entry Ramp. This ramp had foliage growing into the path of travel and needs to be properly maintained for compliance.



4. Classroom sink. This sink is required to be mounted in a 34" high cabinet and have knee clearance underneath.

CITY OF TULSA – BUILDING REPORT



5. Ramp to Red Fox Trail. This ramp has a slope up to 13.5% at the top, which is a liability problem for the city. It also does not have proper handrails or a proper landing at the bottom.



6. Ramp to Red Fox Trail. This ramp has a slope up to 13.5% at the top, which is a liability problem for the city. It also does not have proper handrails or a proper landing at the bottom.



7. Nature trails. The nature trails are not properly maintained. Areas of the trails are less than 36" wide, full of water, have pits or ruts or are overgrown with foliage. These need to be properly maintained in a compliant condition.



8. Shower. The shower has no accessible features. This is required to be a compliant because it's new construction.

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Police North
TOTAL COSTS:	\$69,455
GENERAL NOTES:	
	<p>This building is a police building. The occupants are paid police officers but the public visits either voluntarily or involuntarily. It consists of several offices, holding cells, interrogation rooms and administrative duties. A separate area is used as the Telecom Center. The public areas are a higher priority than the office areas, unless an employee with a disability is hired.</p> <p>Hardware is mixed, some levers have replaced knobs but not in all areas. At some point the hardware should be replaced but this isn't a high priority.</p>
PARKING LOTS:	This complex has one main public parking lot with 58 parking spaces. The other lots are secured lots for officers/employees to park and a lot in the back for squad cars to park. This report focuses on the public lot. The employee lot has some accessible spaces available to an employee who needs them and no accessible spaces are required in the squad car lot.
NUMBER OF ACCESSIBLE PARKING SPACES	<p>MAIN LOT:</p> <p>58 spaces/ 6 H/C</p> <p>3 required</p>
PARKING VIOLATIONS:	
Main public lot:	The main public parking lot has six accessible parking spaces, all of which are substantially compliant but none of which are designated as "van" accessible. There are two that have an access aisle that qualifies as van accessible, just no signage designating them as such. The path of travel from the accessible parking spaces to the building entrance is also compliant.
PARKING RECOMMENDATIONS:	
PRIORITY HIGH COST: \$180	Add a sign indicating one of the two spaces directly in front of the entry (served by the wider access aisle) is a "van" accessible space.
MAIN BUILDING ENTRANCE ISSUES:	
MAIN ENTRY	The main entry from the accessible parking has a threshold that is approximately 1" level change. This will need to be resolved for compliance.
RECOMMENDATIONS:	
PRIORITY HIGH COST: \$750	Remove existing threshold, grind down level change where appropriate and install a new threshold with no more than 1/4" abrupt level change. It can go up to 1/2" with a 1:2 bevel.

CITY OF TULSA – BUILDING REPORT

MAIN BUILDING INTERIOR ISSUES:	
GENERAL INFORMATION:	<p>Areas of this building have been altered for compliance, but are not fully compliant. The Telecom area has not been altered for compliance and has a lot of non-compliant areas. This does not appear to be an area where the public is allowed, so access needs to be provided if any alteration occurs OR if there is an employee with a disability that needs the accommodations.</p>
MEN'S RESTROOM: <p style="text-align: right; color: orange;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green;">COST: \$ 1,625</p>	<p>The pipes are not wrapped or otherwise protected underneath the lavatory.</p> <p>The center line of the water closet is 21" instead of the required 18". This exceeds allowable tolerances, but can be resolved by installing wood that is 18" wide and 3" thick underneath the side grab bar. This is the most cost effective way to resolve this issue.</p> <p>The signage is mounted on the door instead of on the wall next to the door as required. It will need to be moved for compliance.</p>
WOMEN'S RESTROOM: <p style="text-align: right; color: orange;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green;">COST: \$ 2,340</p>	<p>The pipes are not wrapped or otherwise protected underneath the lavatory.</p> <p>The flush control mechanism is on the wrong side of the water closet.</p> <p>The lavatory counter is very long and extends into the required clear floor space of the water closet. The counter should be reduced by 18" minimum.</p> <p>The center line of the water closet is 21 1/2" instead of the required 18". This exceeds allowable tolerances, but can be resolved by installing wood that is 18" wide and 3" thick underneath the side grab bar. This is the most cost effective way to resolve this issue.</p> <p>The mirror is mounted at 44" aff and is not allowed to exceed 40" aff.</p> <p>The signage is mounted on the door instead of on the wall next to the door as required. It will need to be moved for compliance.</p>
INTAKE DEPARTMENT:	
GENERAL INFORMATION: <p style="text-align: right; color: red;">PRIORITY HIGH</p> <p style="text-align: right; color: green;">COST: \$ 4,850</p> <p style="text-align: right; color: orange;">PRIORITY LOW**</p> <p style="text-align: right; color: green;">COST: \$ 9,350</p> <p style="color: red; font-size: small;">* This cost is for installing a fully compliant holding cage.</p> <p style="color: orange; font-size: small;">**This cost is for altering the cabinetry in the break room, coffee bar and Commander's kitchen.</p>	<p>There are no accessible holding cells (cages).</p> <p>Benches have secured loops for handcuffs, we need to determine how suspects with disabilities are handled and how they are secured if they can not be handcuffed to the benches. We also need to ensure the police department does not handcuff a suspect who is hearing impaired and communicates via sign language. Sign language interpreters must be available at all times.</p> <p>The break room has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p> <p>The coffee bar in the office area has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p> <p>The Commander's conference room kitchen has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p>

CITY OF TULSA – BUILDING REPORT

<p>MEN'S RESTROOM/LOCKER ROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 6,160</p>	<p>The pipes are not wrapped underneath the lavatory.</p> <p>The urinal is mounted at 21" to the rim. It's not allowed to exceed 17" and should be lowered 4" for compliance.</p> <p>No bench is installed in the locker room. This needs to be installed if there is an employee with a disability on staff.</p> <p>The shower has accessible features, but there is no clear floor space behind the shower seat. 12" is required to be provided behind the shower seat. This only needs to be altered if there is an employee with a disability needing this requirement.</p> <p>The signage is mounted on the door instead of on the wall next to the door as required. It will need to be moved for compliance.</p>
<p>WOMEN'S RESTROOM/LOCKER ROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 5,225</p>	<p>The pipes are not wrapped underneath the lavatory.</p> <p>The faucets require tight grasping and twisting to operate. These need to be replaced with lever style faucets.</p> <p>No bench is installed in the locker room. This needs to be installed if there is an employee with a disability on staff.</p> <p>There is no accessible features. This only needs to be altered if there is an employee with a disability needing this requirement.</p> <p>The signage is mounted on the door instead of on the wall next to the door as required. It will need to be moved for compliance.</p>
<p>TELECOM CENTER</p>	
<p>GENERAL INFORMATION</p> <p style="text-align: right;">PRIORITY LOW COST: \$ 8,250</p>	<p>The break room has a 36" counter with cabinets underneath, which prevents the required knee clearance underneath. The counter needs to be lowered to 34" and knee clearance provided.</p> <p>The MSDS counter is 46 3/4" high. This needs to be lowered to a maximum of 36" high or a section of it lowered to the 36" height.</p> <p>The first aid kit is mounted at 61 1/2" in height and needs to be lowered to 48".</p> <p>The service writer counter at the back of the Telecom area is 46 3/4" high. This needs to be lowered to a maximum of 36" high or a section of it lowered to the 36" height.</p> <p>Some of the doors have concrete blocks mounted in the floor that extend 12" into the required clear floor space. These are going to have to be removed for compliance to these doors.</p>
<p>MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$14,525</p>	<p>This restroom has a 22" door and no accessible features. Nothing compliant at all in these restrooms.</p> <p>Fixing these may be cost prohibitive. Costs are provided as a low priority and access should be focused on the main restrooms noted below. These restrooms should have signage indicating the location of the nearest accessible restroom.</p>

CITY OF TULSA – BUILDING REPORT

<p>WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY LOW COST: \$11,150</p>	<p>This restroom has a 22" door and no accessible features. Nothing compliant at all in these restrooms. Fixing these may be cost prohibitive. Costs are provided as a low priority and access should be focused on the main restrooms noted below. These restrooms should have signage indicating the location of the nearest accessible restroom.</p>
<p>MAIN MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$2,525</p>	<p>The entry door is 29" wide.</p> <p>The center line of the water closet is 21 1/2" instead of the required 18". This exceeds allowable tolerances, but can be resolved by installing wood that is 18" wide and 3" thick underneath the side grab bar. This is the most cost effective way to resolve this issue.</p>
<p>MAIN WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$2,525</p>	<p>The entry door is 29" wide.</p> <p>The center line of the water closet is 21 1/2" instead of the required 18". This exceeds allowable tolerances, but can be resolved by installing wood that is 18" wide and 3" thick underneath the side grab bar. This is the most cost effective way to resolve this issue.</p>
<p>UNMARKED RESTROOM (Back of Telecom area):</p>	<p>This is a tiny little restroom with no access features. We do not recommend making this one accessible, but it should have signage indicating the location of the nearest accessible restroom.</p>

CITY OF TULSA – BUILDING REPORT



1. Back parking area. The parking lot is substantially compliant. Only "van" signs need to be added to the spaces with wider access aisles. .



2. Public Restrooms. These restrooms are close to compliant but have some non-compliant features noted in this report. Since these are the only public restrooms, they should be brought into compliance.



3. Restrooms. The counter in the women's restroom extends into the clear floor space for the water closet. The counter should be reduced a minimum of 18" to provide the required clear floor space.



4 Holding Cages. There are no compliant holding cages. Arrangements need to be made, and training in place, to ensure suspects with disabilities are properly treated.

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5. Security Benches. These benches should not be used for people with physical disabilities or people with hearing impairments who communicate through sign language.



6. Doors. These concrete blocks need to be removed for compliance to be achieved at these doors.

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Bank of Oklahoma (BOK) Center
TOTAL COSTS:	\$ 237,820
GENERAL NOTES:	
	<p>This building is located in a downtown area and is served by several different parking areas, but does not have any parking that is owned or operated by the entity. Each individual parking lot is required to be fully compliant by now and BOK should ensure lots used for their events are in compliance,</p> <p>This is a brand new building, built since the ADA went into effect. As such, it is expected to be fully compliant with all of the requirements and sits as a high risk building from a litigation standpoint.</p> <p>There are a lot of “little” thing that are not compliant. While these may not be expensive to resolve, added together there is cost involved. For instance, the mirrors in the restrooms are mounted at 40” to the bottom of the frame instead of the reflecting surface, making them all 1” too high. Whether the city chooses to fix that or not is not our decision, but it’s technical non-compliance and we’ve provided costs associated with moving them.</p> <p>Some of the concession areas have ONLY standing tables. Because tables are provided, accessible tables are required. These should be provided in the same area with the same amenities.</p> <p>The biggest, and most expensive issue at BOK is the seating. The accessible seating platforms are required to have FIXED companion seats. They can be removable, if desired, but they can NOT be folding chairs and that is all we saw. Several stadiums have been sued for only providing folding chairs. Since there are no parking lots operated by the Center The fixed seating is your HIGHEST priority.</p>
PARKING LOTS:	As noted above, no parking lots are owned or operated by this facility. There are many lots and garages in the area, totaling about 9,000 parking spaces, but they are not owned or operated by BOK and, therefore, BOK is not accountable for resolution.
BOK INTERIOR ISSUES:	
ADMINISTRATION AREA:	
GENERAL INFORMATION:	There is a break room that has the counter mounted at 34” aff but there are cabinets that prevent knee clearance. At the time this was built, knee clearance was required to be provided for all sinks. That law is now changing and it won’t be required unless there is a stove or cooktop. However, if we use that standard for the break room we will need to be consistent with that standard for other things. That is a choice the city will need to make.
RESTROOMS (admin): PRIORITY MEDIUM COST: \$ 350	<p>Coat hooks are provided but none are at accessible heights. They are mounted at 72 ½”. Install at least one in each area that is no higher than 48” aff.</p> <p>Men’s and women’s restrooms have the mirror mounted at 41” aff to the bottom of the reflecting surface. It’s required to be at 40”.</p>

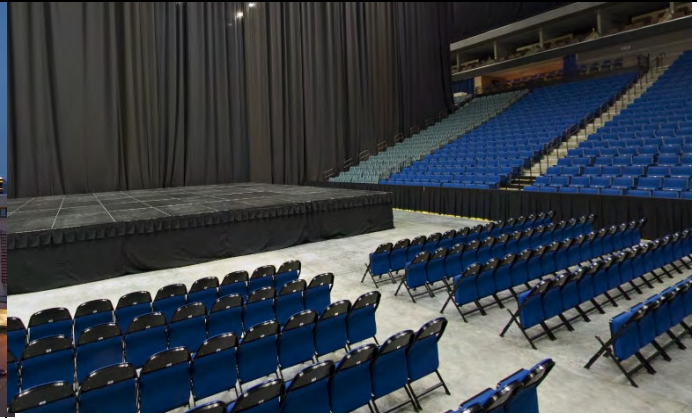
CITY OF TULSA – BUILDING REPORT

GENERAL AREAS, LOWER LEVEL:	
STORAGE ROOM 2b30.20 PRIORITY MEDIUM COST: \$ 300	No visual strobe alarm is provided.
RESTROOMS (By Section 113/114) PRIORITY MEDIUM COST: \$ 1,250	The men's restroom is only 58" wide. It's required to be a minimum of 60" wide. Men's, Women's and Family restroom have the mirrors mounted at 41" to the bottom of the reflecting surface.
CONCESSION TABLES: PRIORITY MEDIUM COST: \$ 840	All of the tables provided are for standing people only. Where those are provided it is required to have some at accessible heights. Ensure at least 5% of the tables provided are fully compliant in each area where tables are provided.
ONEOK SUITE: PRIORITY MEDIUM COST: \$ 450	The seat covers are mounted behind the water closets where there is no clear floor space for access. They need to be moved to a side wall so they can be reached prior to getting on the water closet. Men's and Women's restroom have the mirrors mounted at 41" to the bottom of the reflecting surface.
RESTROOMS (By Section 105) PRIORITY MEDIUM COST: \$3,250	Men's, Women's and Family restroom have the mirrors mounted at 41" to the bottom of the reflecting surface and seat covers are behind the water closets. Seat covers will be required to be moved to an accessible location. The women's restroom has the door opening directly in front of the water closet instead of into the clear floor space. This must be altered for compliance. The men's restroom has the flush control on the wrong side.
RESTROOMS (By Section 102) PRIORITY MEDIUM COST: \$ 1,250	Men's, Women's and Family restroom have the mirrors mounted at 41" to the bottom of the reflecting surface. Women's restroom door has only 10" on the pull side.
GENERAL AREAS, UPPER LEVEL:	
GENERAL INFORMATION: PRIORITY MEDIUM COST: \$ 1,180	All of the restrooms on the upper level have the mirrors mounted at 41" to the bottom of the reflecting surface and the seat covers mounted behind the water closet. This will need to be resolved for full compliance.
SUITES: PRIORITY MEDIUM COST: \$ 840	Tables provided in the suites are all high tables. Please ensure at least one (or 5%) of the tables are at accessible heights.
STAFF KITCHEN: PRIORITY MEDIUM COST: \$ 1,850	Both of the doors going into the staff kitchen area have 1 7/8" on the pull side. At least one of the doors is required to have a minimum of 18" on the pull side.

CITY OF TULSA – BUILDING REPORT

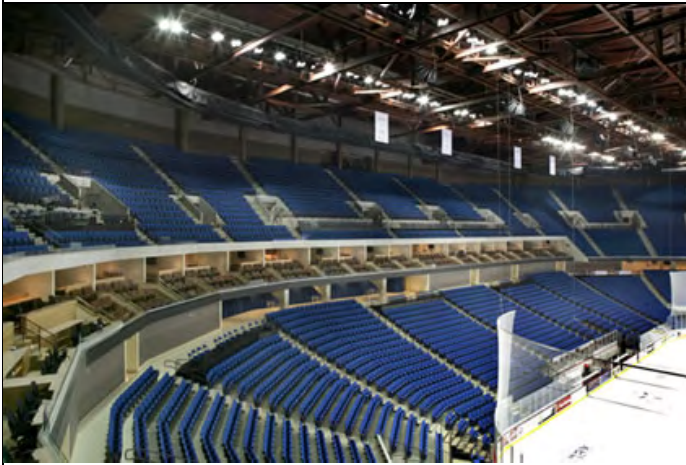
<p>PRIORITY MEDIUM COST: \$ 4,360</p>	<p>Signage is mounted in the wrong place. Needs to be provided on the latch side of the door at 60" to the center of the sign. (1B33.01/1B34.01)</p> <p>The smoking (promoter's) lounge has a sink at 34" with cabinets preventing knee clearance under the sink.</p>
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CITY OF TULSA – BUILDING REPORT



1. Exterior. There is no parking associated with this building. All of the parking is shared parking with other downtown buildings. The path of travel to/from the drop off area and along the exterior routes is substantially compliant.

2. Seating. None of the accessible seating has fixed companion seats as required. This is the HIGHEST priority item for this facility.



3. Seating. None of the accessible seating has fixed companion seats as required. This is the HIGHEST priority item for this facility.

4 Locker Rooms. Each locker room is required to have accessible showers and accessible benches. These have neither. Some of them do not. This is the second highest priority for this facility.

CITY OF TULSA – BUILDING REPORT



5. Suites. *The suites have minor issues, for the most part, but because of the age of the building should all be resolved for compliance.*

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Tulsa Performing Arts Center
TOTAL COSTS:	\$ 102,030
GENERAL NOTES:	
	<p>This building is located in a downtown area and is served by a surface parking lot shared with City Hall. This is a highly visible, high traffic facility that is older and t in several phases, so there are areas that are brand new and areas that are very old. Some of the older areas have been brought into compliance, but some have not been. This building is quite complex so each section</p> <p>Hardware is mixed, some levers have replaced knobs but not in all areas. At some point the hardware should be replaced beginning with the public areas. Employee only areas should be done, but on a lower priority. ANY construction done within the building should trigger the hardware replacement for that area.</p> <p>Every non-compliant restroom in this building needs to have signage indicating the location of the nearest accessible restroom, until it's brought into compliance.</p> <p>There is NO access from the employee lounge into the theatres. A lift or some type of accessible route needs to be provided.</p>
PARKING LOTS:	<p>As noted above, the accessible parking is primarily located in the surface lot located directly across the street from City Hall. The intersection curb ramps were part of the downtown study and details of those are in another report completed as part of this process.</p> <p>This lot has a total of 282 parking spaces. Currently there are 7 designated as accessible. The slope of the spaces designated are not fully compliant but are within a reasonable tolerance. There are also three parallel spaces in front of the PAC building that are signed as accessible spaces, but only for a 30 minute period for someone to run into City Hall. There is nothing compliant about these spaces.</p> <p>Finally, there is a parking garage that serves this building. The accessible parking provided in the garage is substantially compliant and serves compliant entrances to the facility.</p>
NUMBER OF ACCESSIBLE PARKING SPACES	<p><u>SURFACE LOT:</u> 282 spaces all together, 7 spaces marked as accessible and 7 are required</p>
PARKING VIOLATIONS:	
	<p>It is our understanding this lot is privately owned, not owned by the city. As such, the city is not responsible for making changes so no recommendations have been made. Fortunately, it's in substantial compliance.</p>
VERTICAL ACCESS:	
	<p>Vertical access is provided between the floors of this building. The employee lounge is up steps and does not have access for the employees from the theaters. A lift is recommended to resolve this issue.</p>

CITY OF TULSA – BUILDING REPORT

PAC INTERIOR ISSUES:	
MAIN LOBBY	
GENERAL INFORMATION:	<p>Some of the signage is located above the doors or on the doors, depending on the door, and have no Braille or raised texture as required.</p> <p>Signage indicates assistive listening systems are available as required.</p>
MEN'S RESTROOM (main lobby): <p style="text-align: right; color: red; margin-top: 10px;">PRIORITY HIGH</p> <p style="text-align: right; color: green; margin-top: 5px;">COST: \$ 1,750</p>	<p>Signage is mounted above the door with no Braille or raised texture.</p> <p>The path of travel to the accessible stall is only 36" wide. This is too narrow for an approach to a door, and we recommend removing the partition shields or replace them with narrower ones so the path of travel is widened. The costs are for replacing them.</p> <p>The paper towels are mounted too high at 59 ½", they need to be lowered to 48".</p>
WOMEN'S RESTROOM (main lobby): <p style="text-align: right; color: red; margin-top: 10px;">PRIORITY HIGH</p> <p style="text-align: right; color: green; margin-top: 5px;">COST: \$ 4,480</p>	<p>Signage is mounted above the door with no Braille or raised texture.</p> <p>There are two stalls, one is 41 ½" wide with grab bars on both sides and the other is 42" wide with the "L" shaped grab bars, neither comply with the standards. These should be altered so there is at least one stall that is 60" wide and meets the requirement for a standard stall.</p> <p>The paper towels are mounted too high at 59 ½", they need to be lowered to 48".</p>
CHAPMAN MUSIC HALL	
GENERAL INFORMATION:	<p>This area was built prior to the ADA going into effect. Compliance is required based on a clause for barrier removal under the law. This area was evaluated based on what has been brought into compliance as part on the overall barrier removal program.</p> <p>There are ramps to get into the Chapman theatre, but the area in front of the door is sloped as well. The areas in front of doors are required to be no more than 2% slope in any direction. Installation of a power assist mechanism on at least one of the doors will alleviate that issue.</p> <p>Seating is dispersed relatively well in this theatre. There are a total of 2,427 seats and accessible seating is dispersed in all levels. The seating posted on the website does not show any options for sitting close to the stage, but options were noted as available at inspection.</p> <p>The signage provided does not comply with the ADAAG requirements for signs. Signage should be replaced with compliant signs.</p> <p>The production room has knobs instead of lever hardware.</p>
MEN'S RESTROOM (promenade level): <p style="text-align: right; color: red; margin-top: 10px;">PRIORITY MEDIUM</p> <p style="text-align: right; color: green; margin-top: 5px;">COST: \$ 1,150</p>	<p>The urinal is in an alcove 31" deep and is only 31" wide. It is required to be a minimum of 36" wide.</p> <p>The standard stall is acceptable but the coat hook is mounted at 67", this can be lowered or an additional one added at accessible heights, not to exceed 48" aff.</p>

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<p>WOMEN'S RESTROOM (promenade level):</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 150</p>	<p>The standard stall is acceptable but the coat hook is mounted at 67", this can be lowered or an additional one added at accessible heights, not to exceed 48" aff.</p>
<p>2nd SET: MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,450</p>	<p>The standard stall is only 42" wide. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal requirement.</p> <p>The paper towels are mounted too high at 59 ½", they need to be lowered to 48".</p> <p>The mirror is mounted at 43" aff instead of the required 40" maximum.</p>
<p>2nd SET: WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,450</p>	<p>The standard stall is only 42" wide. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal requirement.</p> <p>The paper towels are mounted too high at 59 ½", they need to be lowered to 48".</p>
<p>Balcony: WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,460</p>	<p>The standard stall is only 40 ¼" wide. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal requirement.</p> <p>The paper towels are mounted too high at 59 ½", they need to be lowered to 48".</p> <p>The mirror is mounted at 47" aff instead of the required 40" maximum.</p> <p>The door has only 12" on the pull side instead of the required 18" minimum. This can be resolved by moving the door or installing a power assisted door mechanism.</p>
<p>Balcony: MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,460</p>	<p>The standard stall is only 40 ¼" wide. This is required to be brought into compliance with the 60" stall requirement as part of the barrier removal requirement.</p> <p>The paper towels are mounted too high at 59 ½", they need to be lowered to 48".</p> <p>The mirror is mounted at 47" aff instead of the required 40" maximum.</p> <p>The door has only 12" on the pull side instead of the required 18" minimum. This can be resolved by moving the door or installing a power assisted door mechanism.</p>
<p>KATHLEEN P. WESBY PAVILLION</p>	
<p>GENERAL INFORMATION:</p>	<p>The bar provided is at 44 ½" with no lowered section.</p> <p>Stage right has a small but relatively compliant single user restroom that serves the green room. The restroom needs no alteration (except a lower coat hook) but the green room needs to have the round knob replaced with a lever.</p> <p>There is a very small kitchen with no access provided. None is required based on the use of the space.</p> <p>Back stage there is a small women's single user restroom that has no access features at all. This won't have to be altered as long as there are other back stage options that are accessible.</p>

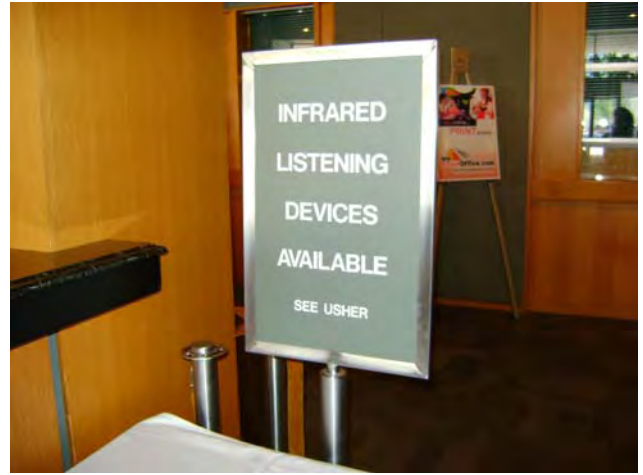
CITY OF TULSA – BUILDING REPORT

	<p>Star room #1 is a compliant dressing room.</p> <p>Star Room #2 and #3 currently have the restroom door swing into them. With the door swing changed, these would be accessible. It is recommended to have the door swing altered.</p> <p>BIG Star room is acceptable with the door swing changed, just like Star rooms #2 and #3.</p> <p>There are several smaller dressing rooms with no access, but as long as those that have access can be easily identified, it's not required to bring them all into compliance.</p> <p>One of the dressing rooms for the second level actors is acceptable except for a 11.9% slope to the shower. This slope needs to be altered so there is at least one dressing room in this area.</p> <p>The Choir dressing room (for Men) is compliant but the stalls are not. There is only a 36" wide stall with grab bars on both sides. We recommend making this accessible for the choir.</p>
<p>PRIORITY MEDIUM COST: \$ 4,880</p>	
LIDDY DOENGES THEATRE	
<p>GENERAL INFORMATION:</p> <p style="text-align: center;">PRIORITY HIGH COST: \$ 37,500</p>	<p>VERY IMPORTANT! The ramp leading to this theater (in the back for employees, not public) has a 28.6% slope that is VERY dangerous. This needs to be replaced with a compliant ramp or a lift that provides safety for those using it. Costs provided include installation of a lift, it seems the most logical approach.</p> <p>Dressing rooms for this theatre have no access to the showers or to the water closets. At least one of the dressing rooms needs to be fully compliant.</p> <p>Dressing Room #2 has a shower that could be compliant but does not have the required 12" behind the seat. The water closet also could be compliant except the door opens directly in front of the water closet instead of into the open area. This is the easiest one to make accessible.</p>
JOHN H WILLIAMS THEATRE	
<p>GENERAL INFORMATION:</p> <p style="text-align: center;">PRIORITY MEDIUM COST: \$ 1,260</p>	<p>Dressing rooms for this theatre are substantially compliant.</p> <p>This theatre seats 437 people and has the accessible seating in the back row. Some front area, or at least mid area, seating should be provided.</p> <p>The ramps between the dressing rooms need to have handrails installed.</p>
DOENGES, NORMAN, WILLIAMS LOBBY	
	<p>The bar in this lobby is 48" high with no lowered area.</p>
<p>WOMEN'S RESTROOM (Three theater lobby)</p> <p style="text-align: center;">PRIORITY MEDIUM COST: \$ 150</p>	<p>This toilet room is substantially compliant except for the signage. It's mounted on the door instead of the wall adjacent to the door, as required, and has no Braille or raised texture characters.</p>

CITY OF TULSA – BUILDING REPORT

<p>MEN'S RESTROOM (Three theater lobby)</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 1,250</p>	<p>This toilet room is substantially compliant except for the signage. It's mounted on the door instead of the wall adjacent to the door, as required, and has no Braille or raised texture characters.</p> <p>The center line for the water closet in this restroom is 21 ½" which far exceeds allowable tolerances. This can be resolved by either moving the water closet or placing a 3 ½" thick piece of wood that is a minimum of 18" wide and 46" long between the grab bar and the wall, so the grab bar is secured to it.</p>
ADMINISTRATIVE AREA	
<p>GENERAL INFORMATION:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,360 PRIORITY LOW COST: \$ 24,760</p>	<p>Knobs are noted throughout this area and should be replaced with lever hardware that does not require tight grasping and twisting to operate.</p> <p>The reception desk is 45" high with no lowered area. This should be resolved for compliance.</p> <p>There is a private restroom for the administrative staff that is very tiny with no access features at all. The admin area has employment opportunities and should have an accessible toilet room. Costs have been provided but this isn't a high priority unless someone on the staff needs it done or the area is altered.</p> <p>The door to the employee lounge area has only 8 ½" on the pull side instead of the required 18".</p>
2nd STREET TICKET OFFICE	
<p style="text-align: right;">PRIORITY MEDIUM COST: \$ 1,870</p>	<p>The 2nd Street ticket office has 48" high counters with no lowered area.</p> <p>There is a ramp leading to this area that has a slope of 7.7% and does not have handrails. Handrails must be installed for compliance.</p>

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1. Restroom. This restroom has the accessible stall at the end and only a 36” wide path of travel to it. We recommend removing the urinal partitions and replacing them with smaller ones.

2. Lobby. The main lobby has the required signage indicating the availability of assisted listening systems.



3. Parking. The parking garage has accessible parking spaces and an accessible route into the building.

4 Parking. The parking garage has accessible parking spaces and an accessible route into the building.

CITY OF TULSA – BUILDING REPORT

BUILDING NAME:	Tulsa Zoo
TOTAL COSTS:	\$ 256,375
GENERAL NOTES:	
	<p>This is a public zoo. There are many aspects of this property and access issues are complex. This report is just for the Zoo itself. Mohawk Park and the Nature Center are on separate reports.</p> <p>There are mixed levels of access throughout the property but the two things that stand out, from an access perspective, are the restrooms and the path of travel around the Lowlands exhibit are a priority. Both are out of compliance and are the highest priorities for this property. More details are provided for both later in this report.</p> <p>One of the high priorities is to replace the curb ramp leading from the parking on the north side to the building (see pictures #4 & #5). This curb ramp is at a dangerous slope and needs to be replaced.</p> <p>Another VERY high priority is the ramp that leads to the Macaw Grille. It's dangerous in its current condition and needs to be replaced.</p> <p>Some of the stalls that look like they were supposed to have been the accessible stalls, became "family" stalls. While it's understandable to have family stalls, the accessible stalls are required by law.</p> <p>Every non-compliant restroom in this park needs to have signage indicating the location of the nearest accessible restroom, until all are brought into compliance.</p>
PARKING LOTS:	<p>The Tulsa Zoo has a total of 21 accessible parking spaces. 9 of them are to the south and 15 to the north of the main entrance. Not every accessible parking space has a sign. There are areas where there are signs at each end of the accessible parking, but none for the spaces in the middle. This is a violation. Additionally, the spaces in the east lot are not the closest spaces to the accessible route and the signage indicates these spaces are only accessible on weekends and holidays.</p> <p>Many of the accessible parking spaces do not have access aisles. Each parking space is required to have an access aisle serving it.</p>
NUMBER OF ACCESSIBLE PARKING SPACES	<p>21 accessible parking spaces are provided. Only one is marked as a van space and only five signs are provided. EACH accessible space is required to have an access aisle serving it and a sign in front of it. With 21 accessible spaces, four of them are required to be van accessible parking spaces.</p>
PARKING AND EXTERIOR VIOLATIONS:	
	<p>The parking spaces are required to have access aisles that connect to an accessible path of travel and most of the spaces provided do not have access aisles.</p> <p>Each accessible space is required to have a sign indicating it's a reserved space. Several of the spaces have no signage.</p>

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	<p>The path of travel along the sidewalk has trees that fall below 80". These need to be maintained so they are above 80".</p> <p>As noted above, the curb ramp from the accessible parking into the building has a 16.7% slope and needs to be replaced for compliance.</p>
PARKING RECOMMENDATIONS:	
<p style="text-align: center;">PRIORITY HIGH COST: \$28,950</p>	<p>Ensure each accessible parking space has both a sign and a path of travel that does not require the user to travel behind parked cars or in the vehicular route. This can easily be accomplished by moving the accessible parking spaces to the other side of the north lot. See picture #3 below.</p> <p>Provide four van accessible parking spaces. They need to be dispersed in the north and south lots.</p>
ZOO INTERIOR AND EXTERIOR PATH ISSUES:	
	<p>Many of the exterior routes around the zoo are overgrown with shrubbery or overhead protrusion. This is a maintenance issue that needs to become a priority to maintain. See the photo sheets, but even at the main entry area the shrubs protrude into the path of travel.</p> <p>Over by the primate area that path of travel crosses the train tracks. This is allowed, but the path must be maintained for compliance as it crosses.</p> <p>The only accessible picnic tables found were at the trunk stop.</p> <p>Many of the trails use mulch as a surface. This is not considered firm, stable and slip resistant.</p>
<p>INFORMATION COUNTER, SECURITY OFFICE AND MAIN ENTRY:</p> <p style="text-align: center;">PRIORITY MEDIUM COST: \$16,250</p>	<p>The information counter is 40 1/4" with no lowered section.</p> <p>The door into the office area has only 5 1/4" on the pull side.</p> <p>The first restroom in the information area is substantially compliant except the mirror is 49" instead of 40" and the pipes under the lavatory are not wrapped.</p> <p>The second restroom in the information area is substantially compliant except the pipes under the lavatory are not wrapped.</p> <p>The break room has a counter at 36" high.</p> <p>The main entry area has counters for the guests that are 43" high, none are lowered. There is a slight level change along the path in front of the exterior guest counter (refer to photos at the end of this report)</p> <p>The security office restroom has the flush control mechanism on the wrong side of the water closet, there is no back grab bar and the pipes under the lavatory are not wrapped or protected from contact.</p>
NATURE EXCHANGE AND CRANE DEPOT:	
<p>GENERAL INFORMATION:</p>	<p>This is a small building that has classes and information about nature. It is an area of public accommodation and is required to be brought into compliance as part of the overall barrier removal program.</p> <p>Directly across from the Nature Exchange is the "Crane Depot" which has a counter that is 45 3/4" high</p>

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<p>PRIORITY MEDIUM COST: \$14,250</p>	<p>with no lowered area. This is a violation that needs to be resolved.</p> <p>The entry door into the volunteer area has a slope that is 15.5%.</p> <p>All doors have knobs.</p> <p>The sink provided in the volunteer area is 36" high with cabinets that prevent knee clearance.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$12,850</p>	<p>The entry into the men's restroom is only 27". None of the interior features of this restroom are accessible. No accessible stall is provided, the lavatory is not accessible, the urinal is not accessible, there is no signage indicating the location of the nearest accessible restroom.</p> <p>This needs to be altered for compliance. In the meantime, signage indicating the location of the nearest accessible restroom is required to be provided.</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$12,850</p>	<p>The entry into the women's restroom is only 27". None of the interior features of this restroom are accessible. No accessible stall is provided, the lavatory is not accessible, there is no signage indicating the location of the nearest accessible restroom.</p> <p>This needs to be altered for compliance. In the meantime, signage indicating the location of the nearest accessible restroom is required to be provided.</p>
MARKET GIFT SHOP AND RESTROOMS:	
<p>GIFT SHOP:</p>	<p>The gift shop is substantially compliant.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 250</p>	<p>The standard stall is only 59" wide, which is an acceptable tolerance.</p> <p>The door into the men's room is recessed 9". This is slightly over the allowable 8" but is acceptable as an existing condition.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 250</p>	<p>The door into the women's room is recessed 8 3/4". This is slightly over the allowable 8" but is acceptable as an existing condition.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p>
HELMERICH NATURE CENTER:	
<p>GENERAL INFORMATION:</p> <p>PRIORITY MEDIUM COST: \$4,250</p>	<p>The walk in front of the center has cross slopes up to 4.5%.</p> <p>In the auditorium, the only access to the stage is from an exterior door. If major renovations are planned this should be altered at that time. However, the ramp provided only has a handrail on one side of it. Another handrail should be installed as a higher priority. (cost not included in this report)</p> <p>The door into the employee area has only 9 1/2" on the pull side of the door. 18" is required.</p> <p>The employee break room has a sink mounted in a 36" high counter with cabinets preventing knee clearance.</p> <p>The classrooms also have sinks mounted in 36" high counters with cabinets that prevent knee clearance.</p>

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<p>WOMEN'S RESTROOM #1: In lobby</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 250</p>	<p>The signage is mounted on the door instead of on the wall on the latch side of the door.</p> <p>The stall is substantially compliant but the toilet paper is mounted only 4" above the grab bar. It's required to have at least 12" so it doesn't obstruct the use of the grab bar.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p>
<p>MEN'S RESTROOM #1: In lobby</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$1,250</p>	<p>The signage is mounted on the door instead of on the wall on the latch side of the door.</p> <p>The stall is substantially compliant but the toilet paper is mounted only 4" above the grab bar. It's required to have at least 12" so it doesn't obstruct the use of the grab bar.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p>
<p>UNISEX RESTROOM #1: In the Helmerich office area</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$3,250</p>	<p>The signage is mounted on the door instead of on the wall on the latch side of the door.</p> <p>The room is substantially compliant but the toilet paper is mounted only 6" above the grab bar. It's required to have at least 12" so it doesn't obstruct the use of the grab bar.</p> <p>The door has both a closer and a latch but only has 2" on the push side of the door. A minimum of 12" is required.</p>
<p>UNISEX RESTROOM #2: In the Helmerich office area</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 5,650</p>	<p>The signage is mounted on the door instead of on the wall on the latch side of the door.</p> <p>The room is substantially compliant but the toilet paper is mounted only 6" above the grab bar. It's required to have at least 12" so it doesn't obstruct the use of the grab bar.</p> <p>The door has both a closer and a latch but only has 2" on the push side of the door. A minimum of 12" is required.</p> <p>The flush control for the water closet is mounted on the wrong side.</p> <p>The center line of the water closet is 20". It is required to be 18" absolute or 16" to 18" for new ADAAG. It meets neither.</p>
<p>SHOWER ROOM: In the Helmerich office area</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$15,875</p>	<p>The room does not have the required 5' turning radius inside.</p> <p>No grab bars are installed.</p> <p>The lavatory is 36" high and has cabinets underneath preventing the required knee clearance.</p> <p>There is only 12" on the pull side of this door. A minimum of 18" is required, 24" is preferred. The door either needs to be altered, or a power assist mechanism installed. The costs provided are for a power assist mechanism to be installed.</p> <p>There is no compliant path of travel to the shower. It narrows to only 27 1/2".</p>
<p>TRUNK STOP AND AMPHITHEATER</p>	
<p>GENERAL INFORMATION:</p>	<p>The counter provided is 43 1/2" high with no lowered section.</p> <p>The ramp to the amphitheater is only 32" wide with handrails on only one side. It's required to be a</p>

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<p>PRIORITY MEDIUM COST: \$ 8,650</p>	<p>minimum of 36" wide with handrails on both sides.</p> <p>The only accessible seating in the amphitheater is in the very front, but there are no companion seats provided;</p>
<p>WOMEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 6,650</p>	<p>The baby changing station is mounted in the accessible stall. This can remain in the stall as long as there is another one in the common areas.</p> <p>There are seven stalls and no ambulatory stall. When there are six or more there is a requirement for a stall that is 36" wide with an outward swinging door and grab bars on both sides.</p> <p>The accessible stall has the door directly in front of the water closet, instead of opening in front of the clear floor space as required.</p> <p>The center line of the water closet is 23" which far exceeds all reasonable tolerances.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 4,250</p>	<p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p> <p>The urinal is mounted 25" to the rim. It's required to be at or below 17".</p> <p>The accessible stall does not have a side grab bar installed and the toilet paper is mounted at 30" from the back wall making it difficult to reach.</p> <p>The center line of the water closet is 20" which far exceeds all reasonable tolerances. 18" absolute is required.</p>
ANIMAL EXHIBITS:	
<p>SEA LION EXHIBIT:</p>	<p>The Sea Lion exhibit is in the process of being relocated. Because this will be new construction, ALL aspects of this new exhibit are required to be fully compliant.</p>
<p>PRIMATE EXHIBIT</p> <p>PRIORITY MEDIUM COST: \$ 14,250</p>	<p>The path of travel to the primate building leads over the train tracks. This path is allowed, but it isn't compliant. It needs to be maintained in an accessible condition.</p> <p>The button for the auto door into the building is mounted on a sloped surface.</p>
<p>MEN'S RESTROOM:</p> <p>PRIORITY MEDIUM COST: \$ 4,320</p>	<p>The lavatory does not have the pipes wrapped or otherwise protected from contact and it's directly in the door swing for the main door. This needs to be altered for compliance.</p> <p>The urinal is not compliant at 21" instead of the required 17" maximum height.</p> <p>The accessible stall has signage calling it the "family" stall and there are two water closets inside, which reduces the needed clear floor space.</p>
<p>WOMEN'S RESTROOM</p> <p>PRIORITY MEDIUM COST: \$ 6,550</p>	<p>The accessible stall has signage calling it the "family" stall and there are two water closets inside, which reduces the needed clear floor space.</p> <p>The lavatory does not have the pipes wrapped or otherwise protected from contact.</p>
DRINK PAVILLION (NEW CONSTRUCTION)	

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<p>GENERAL INFORMATION:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$11,450</p>	<p>Because this building is new construction, everything is required to be in full compliance.</p> <p>The ramp leading to the "MaCaw Landing Grille" has a ramp that is dangerous. This should be altered as one of the highest priorities. The ramp slope is from 13.8% to 15.1% with a cross slope up to 11.1% at the bottom. It also only has a hand rail on one side instead of both, as required.</p>
<p>WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,250</p>	<p>The changing table is mounted at 40", which is too high for compliance.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p> <p>The center line of the water closet is 21" which exceeds all allowable tolerances.</p> <p>The toilet paper is mounted only 5" above the grab bar. A minimum of 12" is required so the use of the grab bar is not obstructed.</p>
<p>MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,250</p>	<p>The baby changing table is mounted at 40", which is too high for compliance.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p> <p>The center line of the water closet is 21" which exceeds all allowable tolerances.</p> <p>The toilet paper is mounted only 5" above the grab bar. A minimum of 12" is required so the use of the grab bar is not obstructed.</p>
<p>RAIN FOREST</p>	
<p>GENERAL INFORMATION:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$16,250</p>	<p>The ramp by the Rain Forest to the restrooms is okay, but signage keeping people to the right is recommended to avoid accidents.</p>
<p>WOMEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 6,750</p>	<p>The signage is mounted on the door instead of the wall adjacent to the latch side of the door.</p> <p>There is a 4% slope to the entrance door.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p> <p>Baby changing table is located in the accessible stall.</p> <p>Six stalls are provided and there is no ambulatory stall. One stall must be 36" wide, have outward swinging door and grab bars on both sides. This is in addition to the fully accessible stall.</p>
<p>MEN'S RESTROOM:</p> <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 3,250</p>	<p>The signage is mounted on the door instead of the wall adjacent to the latch side of the door.</p> <p>There is a 4% slope to the entrance door.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p> <p>Baby changing table is located in the accessible stall.</p> <p>The toilet paper dispenser is mounted 5 1/2" above the grab bar, which obstructs the use of the grab bar. It needs to be a minimum of 12" above the grab bar or 1 1/2" below.</p>

CITY OF TULSA – BUILDING REPORT

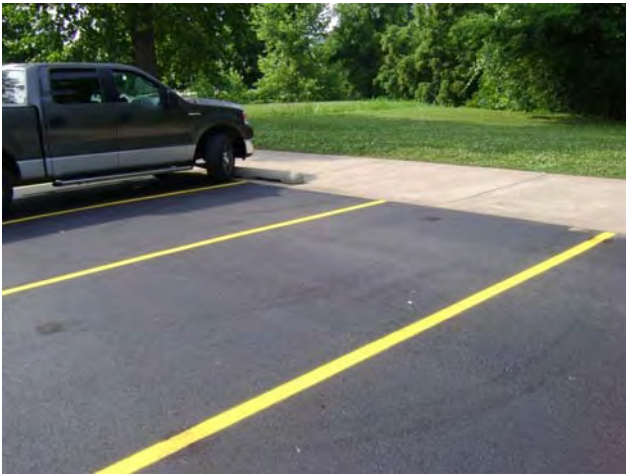
JAGUAR ICE CREAM AND SURROUNDING AREAS:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 9,640</p>	<p>The counter provided is substantially compliant.</p> <p>The seating area is not directly accessible from the ice cream counter. There is a route, but it's somewhat hidden and a person leaving the ice cream counter may not see it. The route needs to be moved, or at least identified through signage.</p> <p>The bonfire pit provided has no access to it at all. This is an amenity and needs to be compliant.</p> <p>The observation area is substantially compliant, but there are no accessible telescopes provided. One should be installed for compliance.</p>
WOMEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$2,150</p>	<p>The signage is mounted on the door instead of the wall adjacent to the latch side of the door.</p> <p>There is a 3.3% slope to the entrance door.</p>
MEN'S RESTROOM: <p style="text-align: right;">PRIORITY MEDIUM COST: \$150</p>	<p>The signage is mounted on the door instead of the wall adjacent to the latch side of the door.</p>
FOREST, DESERT, TUNDRA, LOWLAND, AREA:	
GENERAL INFORMATION: <p style="text-align: right;">PRIORITY HIGH COST: \$ 28,950</p>	<p>The ramp between the Forest and the Lowland area has no handrail.</p> <p>The path of travel uses pavers that do not have grass grown in them and is therefore dangerous. This is not only dangerous for people with disabilities, but for the general public.</p> <p>The Lowland Building was being remodeled and was closed. It was not assessed for compliance.</p>
WOMEN'S RESTROOM: (Forest area) <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,720</p>	<p>The signage is mounted on the door instead of the wall adjacent to the latch side of the door.</p> <p>The entry door has only 6" on the push side, but the door has a closure and a latch.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p> <p>There is an alternate stall, but no fully compliant stall. This needs to be resolved. In the meantime, signage needs to be provided indicating the location of the nearest accessible restroom.</p>
MEN'S RESTROOM: (Forest area) <p style="text-align: right;">PRIORITY MEDIUM COST: \$ 4,720</p>	<p>The signage is mounted on the door instead of the wall adjacent to the latch side of the door.</p> <p>The pipes under the lavatory are not wrapped or otherwise protected from contact.</p> <p>There is an alternate stall, but no fully compliant stall. This needs to be resolved. In the meantime, signage needs to be provided indicating the location of the nearest accessible restroom.</p> <p>The stall that is provided has no back grab bar and the side grab bar is only 32" long.</p> <p>The urinal provided is mounted at 21" off the floor and has steps in front of it.</p>

CITY OF TULSA – BUILDING REPORT



1. Parking. *The accessible parking spaces in the main parking lot do not have the required access aisle or the required signage. Many do not have a compliant path of travel to the Zoo entrance.*

2. Parking. *The main parking spaces do not have the required signage. Each individual parking space is required to have it's own sign.*



3. Parking. *These spaces are not designated as accessible spaces but should be. They are closer to the accessible route into the building and already provide a smooth path of travel into the main entrance.*

4 Path of Travel. *This curb ramp is dangerously non-compliant and needs to be removed and replaced with one that is fully compliant.*

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5. Path of Travel. *This curb ramp is dangerously non-compliant and needs to be removed and replaced with one that is fully compliant. The maximum allowable slope is 8.33% and this doubles that.*



6. Restrooms – These are the only restrooms in this area and are not accessible. They need to be altered for access but in the meantime, signage needs to be provided indicating the location of the nearest accessible restroom.



7. Doors – This is the main entry door into the volunteer area at the Nature Center. The ramp helps with access but does not make the door compliant.



8. Path of travel - This level change is at the bottom of a ramp, which leads to ticketing, and needs to be resolved for compliance.

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9. Toilet Stalls. The accessible stalls in many areas were labeled as "family" stalls with two water closets in them. This reduces the required clear floor space for the stall.



10. Paths of Travel. Many of the trails have loose material on them, which wash away and cause access problems. Follow the requirements for Exterior Surfaces (provided as part of this process) and use a bonding agent to maintain access.



11. Paths of Travel. Many of the trails have loose material on them, which wash away and cause access problems. Follow the requirements for Exterior Surfaces (provided as part of this process) and use a bonding agent to maintain access.



12. Path of Travel. This button is mounted on a sloped area. It's required to be on a level surface with a slope not to exceed 2% in any direction.

CITY OF TULSA – PARKS REPORT

PARK NAME:	Centennial Park
AMENITIES OFFERED:	1 Rec Center
NUMBER OF PARKING SPACES:	110 total spaces –
NUMBER OF ACCESSIBLE PARKING SPACES	7 – Compliant 0 – Attempted 5 - Required
TOTAL COST RANGE:	\$ 5,150 to \$6,385 (depending on solutions chosen)

The accessible parking spaces are substantially compliant, however the curb ramp leading to the main entrance (in the front of the building) has a 13.7% slope, which is dangerous. This should be altered for compliance. .

PRIORITY: HIGH
COST: \$2,490



RECOMMENDATION

Replace the existing curb ramp with a curb ramp that has a slope that does not exceed 8.33%.


CITY OF TULSA – PARKS REPORT

<p>Recreation Building</p> <p>This building is relatively new and substantially in compliance. There are minor items that needs to be resolved for full compliance, such as:</p> <ol style="list-style-type: none"> 1. The mirror in the unisex restroom is mounted at 49 ½” to the reflecting surface and it’s required to be no higher than 40”. <p>PRIORITY: LOW COST: \$45</p>	<p>RECOMMENDATIONS:</p> <p>Lower the mirror so the bottom of the reflecting surface does not exceed 40” above the floor.</p>
<ol style="list-style-type: none"> 2. The baby changing station is in the stall in both the men’s and women’s restrooms. It’s okay to have one in the stall as long as there is also one in the common area. <p>PRIORITY: LOW COST: \$45 (to move) COST: \$380 (install a new one)</p>	<p>RECOMMENDATION:</p> <p>Install a baby changing station in the main part of the restroom.</p>
<p>Kitchen:</p> <ol style="list-style-type: none"> 1. The kitchen has a hand sink but the pipes under it are not wrapped. <p>PRIORITY: LOW COST: \$ 120</p>	<div data-bbox="856 1019 1150 1404" data-label="Image"> </div> <p>RECOMMENDATION:</p> <p>Wrap pipes to protect against contact.</p>


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<p>2, Secondly, the door leading in/out of the kitchen has only 12 5/8” on the pull side of the door. A minimum of 18” is required.</p> <p>PRIORITY: MEDIUM COST: \$ 2,600 (Install power door) \$ 1,700 (move door)</p>	<p>RECOMMENDATION:</p> <p>Alter door to ensure there is a minimum of 18” on the pull side of the door or install a power assisted mechanism to operate the door.</p>
<p>Fitness Center</p> <p>A sink is provided in the fitness center and it has cabinets that obstruct the required knee clearances for a forward approach.</p> <p>PRIORITY: MEDIUM COST: \$750</p>	<p>RECOMMENDATION:</p> <p>Alter sink to ensure the required knee clearance is provided.</p>

**CITY OF TULSA – PARKS REPORT
HICKS PARK**

PARK NAME:	Hicks Park	
AMENITIES OFFERED:	1 Play Ground 1 Lighted Field 6 Lighted Tennis Courts 1 Rec Center 0.5 Miles of Trail	1 Indoor Gym 1 Picnic Shelter 9 Picnic Tables 1R Restrooms
NUMBER OF PARKING SPACES:	157 total spaces -	
NUMBER OF ACCESSIBLE PARKING SPACES	0 – Compliant 8 – Attempted* 6 - Required * PLEASE NOTE – The parking spaces themselves were substantially compliant. However, part of an accessible parking space is the accessible route from that space to the element it serves. The path of travel for these spaces requires travel along a sidewalk with a non-compliant cross slope.	
TOTAL ESTIMATED COST:	\$ 74,094 to \$118,454	
GENERAL NOTES:	This park was built in 1976. There was an addition added in 2000. Because the addition was added after the ADA went into effect, it should be fully compliant. This increases the requirement for these items, no matter how small, to be brought into compliance.	
<p>The striping on the parking spaces has worn off and it's difficult to tell where any of the spaces begin or end. It should be restriped for clarity, but this is not a violation of an access requirement.</p> <p>The sidewalk along the front of the accessible parking spaces has a cross slope up to 4.9%, which more than doubles the allowable slope of 2%.</p> <p>PRIORITY HIGH COST: \$ 11,368</p>		<p>RECOMMENDATION:</p> <p>Replace the sidewalk along the front of the accessible spaces with a sidewalk that has no more than 2% slope. Place wheel stops so cars do not obstruct the path of travel.</p>

**CITY OF TULSA – PARKS REPORT
HICKS PARK**

<p>RECREATIONAL BUILDING</p> <p>1. The path of travel to the main entrance has a cross slope that is slightly out of compliance. It is not recommended to do anything to resolve this until there is work being done in that area anyway, then the sidewalk should be replaced.</p> <p>PRIORITY LOW COST: \$ 8,276</p> <p>2. The front door has a slope up to 5.8% in front of it. The maximum allowable slope in front of a door is 2% in any direction</p> <p>PRIORITY HIGH – See recommendation #2 → COST: \$ 2,550</p>	 <p>RECOMMENDATIONS:</p> <p>#1. WHEN construction is done in the front of the building, or IF the soil moves and the cross slope exceeds 3%, the sidewalk should be replaced. It measured 2.6% at it's highest point during inspection.</p> <p>#2. A power assist mechanism should be installed to overcome the slope and facilitate access.</p>
<p>The counter at the recreational center is 42 ¼” with no lower section. Transaction counters are required to have a section at least 36” wide lowered to 36” in height.</p> <p>PRIORITY MEDIUM COST: \$ 750</p>	<p>RECOMMENDATION:</p> <p>Lower a section of the main counter that is at least 36” wide to 36” height.</p>
<p>There is only one drinking fountain. Where there is one, there must be two. One for people who use wheelchairs and one for people who have trouble bending and stooping.</p> <p>PRIORITY LOW COST: \$ 2,700</p>	<p>RECOMMENDATION:</p> <p>Install a high/low drinking fountain in place of the single user.</p>

CITY OF TULSA – PARKS REPORT HICKS PARK

RECREATIONAL CENTER RESTROOMS AND LOCKER ROOMS:

1. The center line of the water closet is 20" in the men's restroom stall.
2. The men's locker room does not have a permanent bench installed.
3. The shower has 9" behind the shower seat in the men's locker room and 11" behind it in the women's locker room. Both have grab bars mounted at 38" aff instead of 36" maximum as required.
4. The faucet in the women's restroom takes more than 5 lbs. of pressure to activate.
5. There is no 5' turning radius in the woman's accessible shower.
6. The shower has 11" behind the shower seat and the grab bars are mounted at 38" aff instead of 36" maximum as required.
7. The second set of drinking fountains has two fountains but both are at the lower height. There is no standard height drinking fountain in the building.

PRIORITY: MEDIUM

COSTS: \$ 3,300 to \$ 4,550



RECOMMENDATIONS:

1. Either furr the wall out 2" or mount the grab bar on a wood panel that is a minimum of 18" wide. Mount the grab bar with a minimum of 12" above it on the wood. (\$275)
2. Install a bench that is 20" to 24" deep and 42" long along a wall, or get benches with backs that meet the requirements. (\$350)
3. Reinstall the shower seat closer to the wall and grab bars between 33" and 36" for compliance. (\$275)
4. Replace the faucet with one that takes less than 5 lbs of pressure to activate. (\$400)
5. Remove the door and replace with a curtain to allow maneuvering clearance. (\$275)
6. Reinstall the shower seat and grab bars for compliance. (\$275)
7. Install either a hi/lo unit to replace the existing one or a stand alone standard height unit near by. (\$ 1,450 - \$2,700)

RECREATIONAL CENTER SINKS (New Addition):



1. The kitchen has 34" counters but the sink has cabinets underneath it.
2. The craft room sink is mounted at 36" and has cabinets underneath it.

PRIORITY MEDIUM


COSTS: \$5,680



**CITY OF TULSA – PARKS REPORT
HICKS PARK**

	<p>RECOMMENDATIONS:</p> <ol style="list-style-type: none"> 1. The kitchen sink needs to have the proper knee clearance provided. Remove cabinets underneath the sink to provide proper knee clearance. (\$ 2,200) 2. Craft room sink is on a counter mounted at 36", so the counter needs to be lowered and knee clearance provided. (\$3,480)
<p>EXTERIOR ROUTES:</p> <ol style="list-style-type: none"> 1. The path of travel to the tennis courts has a running slope up to 19.8%. 2. There are no accessible parking spaces serving the pavilion, playground and ball fields. All of the accessible parking is on the building side of the park. 3. The path of travel from the parking lot to the pavilion, playgrounds and ball fields has slopes from 6.4% to 14.4%. 4. The path of travel to some of the amenities requires the use of a gravel path. <p>PRIORITY HIGH</p> <p>TOTAL ESTIMATED COST: \$39,470 to \$82,580</p>	<div style="display: flex; justify-content: space-around;">   </div> <p>RECOMMENDATIONS:</p> <ol style="list-style-type: none"> 1. This path is dangerous and needs to be replaced with a ramp with fully compliant slopes, keeping the area in front of the gate level (no more than 2% slope in any direction). (If concrete: \$21,895) 2. Install a minimum of two accessible parking spaces adjacent to the accessible route to these amenities. (Cost: \$2,200) 3. Replace this entry point with compliant slopes leading to the main paths. (Cost: \$5,600) 4. Resurface the accessible routes with compliant material. This does not have to be concrete or asphalt, but can be other packed materials with bonding agents. Costs will depend on materials used. (Cost: \$9,775 to \$ 52,885)

CITY OF TULSA – PARKS REPORT

PARK NAME:	Hunter Park	
AMENITIES OFFERED:	1 Play Ground 1 Water Play Area 0.9 Miles of Trail 4 Outdoor Basketball Courts	1 Picnic Shelter 14 Picnic Tables 1 Restroom building 1 Disk Golf Course
NUMBER OF PARKING SPACES:	15 total spaces -	
NUMBER OF ACCESSIBLE PARKING SPACES	LOT BY PAVILION: 125 SPACES 0 – Compliant 4 – Attempted 5 - Required	LOT BY BASKETBALL: 39 SPACES 0 – Compliant 1 – Attempted 2 - Required
TOTAL ESTIMATED COST:	\$88,205	
GENERAL NOTES:	<p>As noted in other reports, the resurfacing along trails does not have to be concrete. There are many types of exterior surfaces that can be used and a document put out by the US Access Board accompanies these reports. This will detail surface type that can be used.</p> <p>This park has a dog park in it that was built recently. While access was attempted, the park actually has NO fully compliant entrances. Making this compliant is a higher priority because it was built new and built out of compliance.</p>	
<p>The striping on the parking spaces in both lots has worn off and will need to be replaced soon. None of the parking spaces in this park have the required access aisles. Pictured are two different spaces; one from the main parking area and one from the lot near the basketball courts. As designed, if anyone parks in either space they will block the access point to the sidewalks.</p> <p>Providing an access aisle eliminates the possibility of the access point being blocked by a vehicle.</p> <p>The path of travel from the pavilion parking to the water "maze" above requires travel on a sidewalk with an 18.6% slope. This is a dangerous route. There is another route that can be used, but you can't see it from the accessible parking spaces.</p> <p>PRIORITY HIGH COST: \$ 3,880</p>		<p>RECOMMENDATIONS:</p> <ol style="list-style-type: none"> 1. Restripe parking lots so each accessible space has an access aisle and each access aisle is in front of the access point provided. Add one fully compliant accessible space to each lot. 2. Ensure each accessible parking space has it's own sign. (Signs can not be shared between two spaces). 3. Remove the route with the 18.6% slope and provide signage indicating where the accessible route is located.

CITY OF TULSA – PARKS REPORT

PLAYGROUND AREAS AND EXTERIOR AMENITIES:

1. The path of travel to the playgrounds has a level change into the playground area.
2. The pavilion has an accessible route to it but the grills do not. Grills are mounted in the dirt away from the pavilion and the foundation for the pavilion forms a level change in the route to the grill.
3. The disc golf stations do not have dedicated accessible routes to them, but most are on the grass not too far from a sidewalk. Each launch pad should be evaluated to ensure an accessible route is provided to it.
4. There are several picnic tables and benches that are on concrete slabs and, therefore, have level changes to get to them making them inaccessible.

PRIORITY MEDIUM

COST: \$ 20,175



RECOMMENDATIONS:

1. Alter the edges around the playground areas with ramps or other type of smooth transition into the actual play areas.
2. Ensure at least 5% of the grills have a full accessible route leading to them. Start with the grills that best serve, or are served by, other amenities. That would be those near pavilions, playgrounds or other amenities.
3. Ensure each disc launch pad has a route to it, even if it's grass, that doesn't have major level changes.
4. Ensure a minimum of 5% of the picnic tables and benches have accessible routes leading to them, starting with those that best serve other amenities.

CITY OF TULSA – PARKS REPORT

TRAILS AND DOCKS:

1. The trails have pits and uneven areas and some areas have loose gravel and level changes.
2. The fishing docks appear to have been made accessible at one point but have not been maintained. This has caused some dangerous area around the docks.

PRIORITY HIGH (VERY HIGH)

COST: \$ 18,475



RECOMMENDATION:

1. Ensure the annual budget includes maintenance of the trails and paths. This needs to begin by patching the level changes and gaps around the docks, which present a liability problem for the city.

RESTROOM BUILDING:

The restrooms provided for this park are not fully compliant but are very close. The following elements need to be altered for full compliance:

Lavatory - The pipes are not wrapped. The mirror is mounted at 44" above the finished floor.

Water Closet - The center line of the water closet is 19 1/4" from the side wall.

Signage is mounted on the door instead of the wall adjacent to the door,

Drinking fountain - There is only one drinking fountain. Where there is one there is supposed to be two. One for people in wheelchairs and one for people who have trouble bending or stooping.

PRIORITY MEDIUM


COST: \$ 2,250



RECOMMENDATIONS:

Install a high/low drinking fountain in place of the single user or install another drinking fountain within 200' of this one, serving the same area.

CITY OF TULSA – PARKS REPORT

PARK NAME:	Lacy Park	
AMENITIES OFFERED:	1 Play Ground 1 Lighted Field 4 Lighted Tennis Courts 1 Water Play Area 3 Picnic Tables	1 Rec Center 1 Municipal Pool Outdoor Basketball Courts 1 Indoor Gym
NUMBER OF PARKING SPACES:	118 total spaces -	
NUMBER OF ACCESSIBLE PARKING SPACES	0 – Compliant 5 – Attempted* 5 - Required *PLEASE NOTE – There are five accessible parking signs. Striping is so worn it can barely be seen and there are no access aisles or compliant paths of travel. Parking should be fixed in this park before anything else is done here.	
TOTAL ESTIMATED COST:	\$69,805	
GENERAL NOTES:	Because all of the amenities share the same parking lot, the parking should be adequately distributed. We recommend placing two spaces serving the pool and two serving the playground/tennis courts and two more serving the ball fields. This totals six, which is one more than necessary, but offers the best distribution. At least one van space in each location is best, but only one van space is required.	
<p>The accessible parking spaces in front of the Rec building do not comply. There are no compliant access aisles and there is an attempt at a path of travel, but it does not comply. There five signs for accessible parking, but none of the spaces comply.</p> <p>PRIORITY HIGH</p> <p>COST: \$13,225</p>	 <p>RECOMMENDATION:</p> <p>Install five fully compliant spaces with access aisles and a compliant path of travel to the areas they serve. It would be best to distribute them to best serve the various amenities, since all amenities use the same parking lot. See the general notes above.</p>	

CITY OF TULSA – PARKS REPORT

This playground has an accessible route leading to it but the route is not fully compliant because it is not served from accessible parking. Compliance would require an accessible parking space serving this amenity.

PRIORITY HIGH

COST: In Parking total above



RECOMMENDATIONS:

Install at least one of the required accessible parking spaces here to best serve the playground

REC CENTER

The main counter at the Rec Center is acceptable. Some of the doors in the facility have levers and some have knobs. There is a variety of problems with the restrooms:

Men's and Women's restrooms:

The main door only has 2 ¼" on the pull side (18" is required)

Stall is 40" by 53" and hardware is a knob

Grab bars are only 32" long mounted from 29 ½" to 43"

Lavatory – Pipes are not wrapped.

Meeting Room:

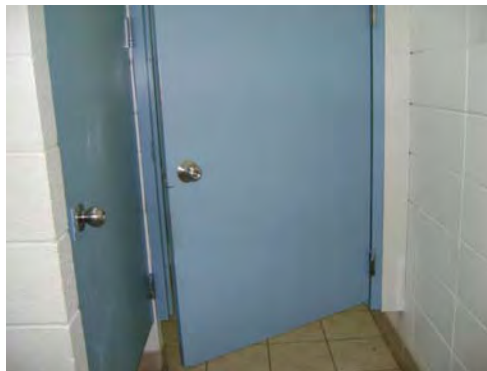
Door has knobs instead of levers

Multi Purpose Room:

Only has 4" on the pull side of the door.

PRIORITY MEDIUM

COST: \$31,625



RECOMMENDATIONS:

Men and Women's Restrooms: Ensure each restroom has at least one fully accessible stall. Modifying the existing stalls may be difficult with the type of walls, so a separate compliant stall or single user restroom are other options. Costs will vary depending on resolution chosen. Costs figured are an average.

Meeting Rooms and throughout Rec Center: Change all knobs to levers,, throughout the building

Move doors, change doors swings or install power assisted door mechanisms to overcome the door maneuvering clearance issues.

CITY OF TULSA – PARKS REPORT

POOL AND POOL BUILDING

The counter in the pool building is 36” high, which is acceptable as a transaction counter. The pool itself has a beach front entry which makes access easy. However, the restrooms are not fully compliant and should be altered for compliance.

Mens’s and Women’s Restrooms

Stall is 40” by 53” with grab bars on both sides and a round knob for entry.

Lavatory – Pipes are not wrapped.

Urinal in Men’s room is mounted at 23” high

Showers:

No compliant features are provided in either the individual showers or in the gang showers.

PRIORITY MEDIUM

COST: \$ 18,688



RECOMMENDATIONS:

Men and Women’s Restrooms: Ensure each restroom has at least one fully accessible stall. Modifying the existing stalls may be difficult with the type of walls, so a separate compliant stall or single user restroom are other options. Costs will vary depending on resolution chosen. Costs figured are an average.

Showers: Ensure each shower room has at least one accessible shower stall. This can be either a 36” by 36” transfer style shower or a 30” min by 60” min roll in shower.

TENNIS COURTS AND BALL FIELDS:

Tennis Courts:

The paths of travel to the tennis courts have slopes that exceed any acceptable tolerances. Both are located on the north side of the courts, so if one was resolved the other does not have to be. There is an internal path of travel between the courts.

Basketball Court:

The path of travel provided to the basketball courts also does not comply. This will need resurfacing for compliance and will have to connect to accessible parking. Currently, no accessible parking serves these amenities.



RECOMMENDATIONS:

Install a fully compliant ramp system or path of travel to either end of the tennis courts since there is an interior connection to the courts. This path can connect to and serve the basketball courts.

CITY OF TULSA – PARKS REPORT

Baseball Diamond

The baseball diamond does not have a fully compliant path of travel to it. The path will be required to be resurfaced for compliance and will need to fully connect to some accessible parking. Currently, no accessible parking serves this amenity.


PRIORITY HIGH

COSTS: \$6,267



RECOMMENDATIONS:
Install curb ramps and provide accessible parking to connect to the path of travel to the baseball diamond. Where the current path has a cross slope exceeding 2% it will need to be altered or resurfaced for compliance.

CITY OF TULSA – PARKS REPORT

PARK NAME:	McClure Park	
AMENITIES OFFERED:	1 Play Ground 3 Sports Fields 1 Lighted Field 4 Lighted Tennis Courts 2 Outdoor Raquetball Courts 1 Municipal Pool 1 Rec Center	1.42 Miles of Trail 2 Outdoor Basketball Courts 1 Indoor Gym 32 Picnic Tables 2R Restrooms 1 Concession 1 Disk Golf Course
NUMBER OF PARKING SPACES:	528 total spaces -	
TOTAL ESTIMATED COSTS:	\$57,300	
GENERAL NOTES:	This park has three different parking lots, each serving a different area of the park. Each was evaluated separately but none of them have the right number of accessible parking spaces.	
NUMBER OF ACCESSIBLE PARKING SPACES	Sports Lot – 159 total parking spaces. Four are identified as accessible. Six are required. Rec Center Lot – 136 total parking spaces. Two identified as accessible. Five are required. Pool Lot – 232 total parking spaces. Three identified as accessible. Seven are required.	
<p>SPORTS LOT - This accessible parking space is not compliant. There is no compliant signage, no access aisle, no path of travel. There are only two spaces here and six are required.</p> <p>PRIORITY HIGH COSTS: \$ 4,360</p>		<p>RECOMMENDATION:</p> <p>Install six fully compliant spaces that have a path of travel leading to the various ball fields offered. By utilizing some of the existing routes, this should be able to be done with just striping.</p>

CITY OF TULSA – PARKS REPORT

SPORTS LOT - This accessible parking space is not compliant because it does not have a compliant path of travel. The level change between the access aisle and the sidewalk varies but is up to 1" in some places.

PRIORITY HIGH
COSTS: \$ 5,140



RECOMMENDATION:

The level change has to be altered for compliance.

There is one space here, but it's a good place to add at least one more space to get closer to the number of spaces required.

REC CENTER LOT – These parking spaces are substantially compliant but the built up curb ramp serving them is not. This will need to be altered for a compliant path of travel.

This lot has two accessible parking spaces but five are required.

PRIORITY HIGH
COSTS: \$ 3,998



RECOMMENDATION:

Remove the existing built up curb ramp and install a compliant path of travel.

Install a total of five accessible parking spaces serving this lot.

CITY OF TULSA – PARKS REPORT

POOL LOT – These parking spaces are substantially compliant but have no path of travel to the building entrance.

This lot has two accessible parking spaces but seven are required.

PRIORITY HIGH
COSTS: \$ 7,940



RECOMMENDATION:

Install five more accessible spaces, complete with a fully compliant path of travel to the building entrance.

Ensure this lot ends up with a total of seven accessible parking spaces.

EXTERIOR PATHS:

The path of travel to the tennis and basketball courts has level changes that prevent access and surfaces that are not firm, stable and slip resistant

There are no accessible picnic tables noted. They are all mounted on concrete slabs with elevation changes and no accessible seating.

There is no accessible route to the slide. .

PRIORITY HIGH
COSTS: \$ 21,600



RECOMMENDATION

Pave a path of travel that overcomes the level change and provides the stable surface requirements. Costs will vary depending on material used for surfacing, so the cost provided is an average.

CITY OF TULSA – PARKS REPORT

PATH TO CONCESSION BUILDING AND FIELDS:

A handrail is only provided on one side of this ramp. Ramps are required to have handrails on both side. The slope of the ramp has some areas that exceed the allowable 8.33%, but overall is compliant. We do not recommend altering the slope of the ramp. However, the level landing areas provided are only 30” wide. They are required to be a minimum of 60” wide.

PRIORITY MEDIUM
COST: \$ 15,500



RECOMMENDATION:

Install a new handrail to ensure this ramp has a compliant handrail on both sides.

Alter the level landing areas to ensure a minimum of 60” is provided every 30 feet.

BALL FIELD SEATING:

The seating provided has room for people in wheelchairs to sit. While this seating is not fully compliant, it’s not a place we recommend spending money unless the seating is going to be altered as part of a project. This is substantially compliant as it stands.



RECOMMENDATION:

Although not perfect, there is room for a person in a wheelchair to sit with family members to watch a game. It is not recommended to start a project just to alter the seating. |

CITY OF TULSA – PARKS REPORT

REC/POOL BUILDING

The counter at the pool building is 42 ¼” high with no lowered section. (PRIORITY MEDIUM)

Mens’s and Women’s Locker/Restrooms (PRIORITY MEDIUM)

There are no accessible dressing rooms in either the Men’s or Women’s locker rooms.

Water closet in Women’s Restroom – The flush control is on the wrong side.

Showers; (PRIORITY MEDIUM)

There is a semi-accessible transfer shower with a seat but no accessible shower head or grab bars.

The door to the Staff Lounge has only 10 ¾” on the pull side of the door. (PRIORITY LOW)

Kitchen:

The kitchen counter is 36” high and has cabinets underneath that prevent full knee clearance. (PRIORITY LOW)

PRIORITY MEDIUM

COST: \$8,200

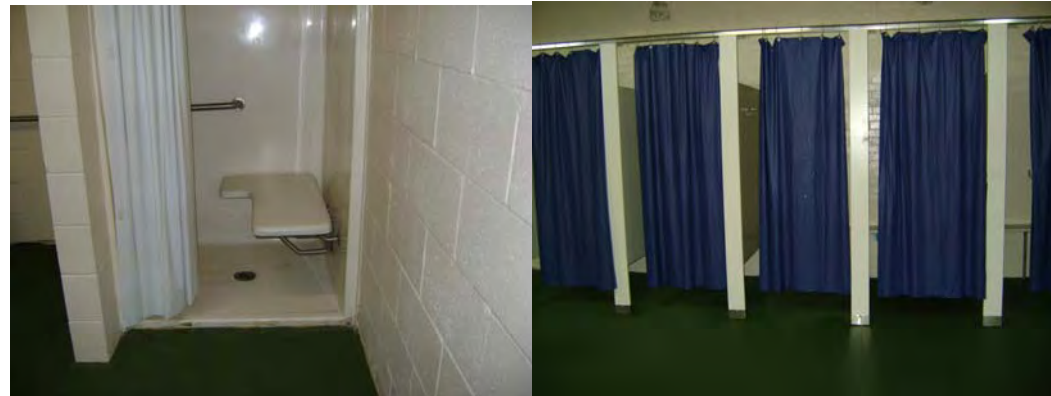
PRIORITY LOW

COST: \$ 4,920



RECOMMENDATIONS:


Alter one shower in each locker room to provide full access for a person in a wheelchair. Alter counters in common use areas to ensure they do not exceed 34” height. Install a fully compliant restroom stall in each locker room.



RECOMMENDATIONS:

Ensure at least one dressing room, with an accessible bench, is provided in each locker room.

CITY OF TULSA – PARKS REPORT

PARK NAME:	Mohawk Park	
AMENITIES OFFERED:	1 play ground 1 sports field 1 water play area 6 picnic shelters 106 picnic tables	2 Restrooms Buildings 2 Concession Buildings 1 Disk Golf Course
NUMBER OF PARKING SPACES:	1503 total spaces -	
TOTAL ESTIMATED COSTS:	\$ 200,256 - \$275,720	
GENERAL NOTES:	<p>This park is part of a larger system that includes the Zoo and a Nature Center. Each of those are captured on their own report. This report is for the areas known as Mohawk Park alone.</p> <p>Each picnic shelter has it's own parking lot, most of which have no striping or designated accessible parking spaces. Each one is reported separately. We recommend ALL of the picnic shelters are brought into compliance, however not all are required. We are concentrating this report to bring Shelters # 2 and #3 into compliance and the rest to be put on a longer term plan. Once these comply, it needs to be advertised so people know where the compliant shelters are.</p> <p>An accessible route does not have to be concrete. This is a large park and how the areas that need surfacing are done will change costs considerably. Crushed granite with a bonding agent will be acceptable and other acceptable exterior surfaces can be found in the document attached to these reports.</p>	
NUMBER OF ACCESSIBLE PARKING SPACES	Because there are several parking lots each one is evaluated under the section it belongs.	
<p>SHELTER #1</p> <p>There is no striping on the parking lot serving this shelter.</p> <p>The entry to the shelter has broken concrete and level changes that prevent a fully compliant entry. None of the picnic tables are accessible.</p> <p>PRIORITY HIGH COST: \$ 9,420</p>		<p>RECOMMENDATION:</p> <p>Ensure at least one accessible parking space is provided with an access aisle that leads to the shelter entrance.</p> <p>Replace the entry to the shelter to remove level changes and broken concrete and provide a smooth transition into the shelter.</p>

CITY OF TULSA – PARKS REPORT

SHELTER #2

There are two parking lots that serve this shelter, one is gravel and the other paved but neither of them have accessible parking spaces or an accessible route to the shelter entrance.

If all six shelters will not be made accessible, then the ones that are concentrated on should be those with restrooms and/or other close amenities served by them. That makes this one a higher priority.

No accessible picnic table is provided in the shelter.

RESTROOM BUILDING:

The restroom building does not have a fully compliant toilet room but it won't take much for it to be compliant.

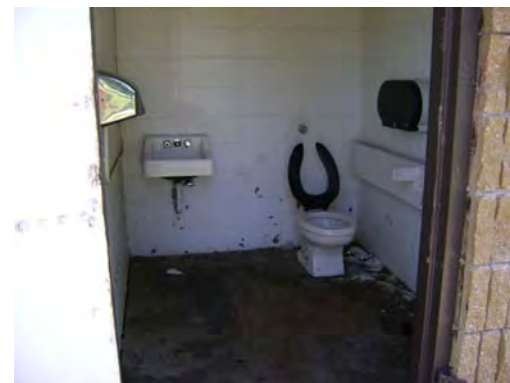
The following items need to be resolved:

Lavatory – Sink needs to be raised to a maximum of 34" with at least 27" knee clearance. Pipes need to be wrapped, faucets require grasping and twisting.

Water closet – No grab bars are installed. The seat is 16" off.

PRIORITY HIGH

COST: \$ 28,945



RECOMMENDATIONS:

- #1. Ensure EACH parking lot has at least one fully compliant accessible parking space that leads to an accessible route to the shelter and restroom building.
- #2. Replace either the lavatory with a completely new lavatory, mounted at the right height with compliant faucets and wrapped pipes OR raise this one and replace the features to make it fully compliant.
- #3. Replace the water closet with one that is 17" to 19" off OR put on an alternate seat that brings the seat height to between 17" and 19". Install compliant grab bars in toilet room.
- #4. Ensure at least one of the picnic tables is an accessible table with room for a person in a wheelchair to pull up underneath and join the family.

There are a number of barbeque grills, benches and picnic tables throughout the park. If ALL are not going to be made accessible, ensure a minimum of 5% of them are accessible and they are distributed throughout the park, serving different amenities and views.

PRIORITY MEDIUM

COST: \$11,750 – \$26,550



RECOMMENDATION:

Ensure all amenities have some locations with accessible routes leading to them. An accessible route does not have to be concrete, but does have to be firm, stable and slip

resistant ... see General Notes on page 1.

CITY OF TULSA – PARKS REPORT

Fishing piers are provided but located up a series of stairs. There is no accessible route to the reservoir.

PRIORITY MEDIUM
COST: \$19,700 - \$38,730



RECOMMENDATION:

Install accessible spaces at the top of this reservoir and signage at the bottom indicating that accessible parking is provided at the top, and how to get there. This is MUCH less expensive than trying to install some kind of accessible route. Ensure an accessible route is provided from the accessible parking to a fishing pier.

SHELTER #3

This shelter has no accessible parking serving it, but is one of the easiest ones to make accessible so access should be concentrated here as a priority.

Water is standing on the accessible route to the shelter.

There are no accessible picnic tables provided.

PRIORITY: HIGH
COSTS: \$ 9,300



RECOMMENDATIONS:

Install at least one fully compliant accessible parking space to serve this shelter. It is required to have an access aisle that leads to an accessible route to the shelter entrance.

Build the path of travel up or install drainage so water doesn't stand on the accessible route.

Install at least one accessible picnic table.

CITY OF TULSA – PARKS REPORT

SHELTERS #4 THROUGH #6

No accessible parking is provided at any of these shelters.
 No accessible route is provided.
 No accessible picnic tables are provided.

PRIORITY LOW
COSTS: \$19,205



RECOMMENDATIONS:

Access needs to be provided at all amenities offered by the park. There are six shelters and we recommend access be provided to shelters #2 and #3 first. Once that is done, making access to the other four shelters can be part of a longer term plan for Tulsa.

Costs for shelters #1 and #4 - #6 are noted as a lower priority at this point. Once #2 and #3 are compliant, their status will elevate accordingly.

PLAYGROUNDS AND TRAILS:

There are several play areas, from jungle gyms to full playgrounds. Because they are all so different, all should be fully compliant.

The jungle gym near Shelter #2 had no access to it. The grass path would be okay but it's full of valleys and pits which were evident because it had just rained.

The playground (lower picture on the right) has level changes to get into the play equipment.

PRIORITY HIGH
TOTAL ESTIMATED COST: \$14,866 to \$32,580



RECOMMENDATIONS:

Once again, not all of the exterior routes have to be concrete. Refer to the exterior surfaces document included in these reports for exterior routes, especially in parks where there are a lot of trails.

Treat the ground to establish firmness, or resurface a path of travel leading to the jungle gym.

Install fully compliant ramps leading from the edge of the playground into the play area. Ensure the bottom of them are fully submerged in the surface material so there is no level change at the end.

CITY OF TULSA – PARKS REPORT

TRAILS:

PRIORITY HIGH

TOTAL ESTIMATED COST: \$ 48,620 to \$72,540



RECOMMENDATION:

The federal government has a document in process regarding outdoor developed areas. It is currently in draft form but is not enforceable. We recommend keeping an eye on the development of this document.

In the meantime, existing trails should be maintained so the surfaces are without level changes or pits and the surface is firm, stable and slip resistant (not loose gravel).

JIM PIELSTICKER PLAYGROUND:

This is the major playground for the Mohawk park and all attempts to provide full access should be taken.

1. The accessible parking itself is compliant but the path of travel from the accessible parking to the main entry to the park requires travel in a vehicular route.
2. A ramp is provided into the playground area but it has a significant level change at the bottom and it is a liability problem. This is a HIGH priority for resolution
3. The emergency call box has no accessible route to it. Since these are for emergencies, they should be compliant. (photo next page).
4. The path of travel to the fishing area has only loose gravel on it's surface.

PRIORITY HIGH

TOTAL ESTIMATED COST: \$ 38,450



RECOMMENDATION:

1. Install a path of travel in front of the accessible parking spaces that leads to the main entry route so people using the accessible parking spaces do not have to travel in a vehicular path.
2. The ramp leading into the playground area must be replaced or altered to get rid of the level changes. This is a huge liability issue. Ensure the path delivers the user safely and smoothly into the playground area.
3. Ensure the emergency call stations around the park have an accessible path of travel to them and a clear and level landing area around them so they can be used by people using mobility aides.


CITY OF TULSA – PARKS REPORT



RECOMMENDATION:

The path of travel to the fishing area should be resurfaced with a compliant product. See General Notes for surface types and documentation.

CITY OF TULSA – PARKS REPORT

PARK NAME:	Reed Park	
AMENITIES OFFERED:	2 Play Ground 1 Sports Fields 1 Lighted Field 2 Tennis Courts 1 Water Play Area 1 Municipal Pool 1 Rec Center	0.41 Miles of Trail 1 Outdoor Basketball Court 1 Indoor Gym 9 Picnic Tables 1 Restrooms Disk Golf Course
NUMBER OF PARKING SPACES:	196 total spaces -	
NUMBER OF ACCESSIBLE PARKING SPACES	0 – Compliant 5 – Attempted* 6 - Required *PLEASE NOTE – There are five accessible parking spaces with access aisles. However, there are no curb ramps without traveling in the vehicular path of travel.	
TOTAL ESTIMATED COST:	\$108,270	
GENERAL NOTES:	Because all of the amenities share the same parking lot, the parking should be adequately distributed. We recommend placing one or two spaces to serve the ball fields and tennis court area. The path of travel is not in very good shape and needs a lot of repair.	
<p>The accessible parking spaces in front of the Rec building do not fully comply because there is no path of travel without going in a vehicular route.</p> <p>Six accessible spaces are required and should be distributed to serve all amenities.</p> <p>PRIORITY HIGH</p> <p>COST: \$9,300</p>		<p>RECOMMENDATION:</p> <p>Install three or four fully compliant spaces with a compliant path of travel to the Rec Center entrance and then the other two or three over to serve the other amenities. This would provide some distribution and serve all amenities.</p>

CITY OF TULSA – PARKS REPORT

The path of travel to the lower playground has a level change to get into the play area.

The path of travel to the upper playground is not compliant. There's no route up to it, but more importantly it's narrow and dangerous. This is something that should be resolved as the highest priority because it's a liability issue. It also has the level change issue to get into the play area, same as the lower one.

PRIORITY HIGH (VERY HIGH)

COST: \$ 16,850



RECOMMENDATIONS:

Lower Playground:

A ramp of some sort needs to be installed to provide access to the play equipment. Currently there is only a path of travel to the edge of the play area.

Higher Playground:

We recommend filling this in or tearing it out. An alternate accessible path can be provided to resolve the access issues, but it won't resolve the liability problem. A ramp also needs to be provided into the play area, as noted above.

REC CENTER

The main counter at the Rec Center is acceptable.

The door to the Parent's Lounge is only 29" wide. (PRIORITY MEDIUM)

The stage in the Rec Center has no access to it. (PRIORITY MEDIUM)

Kitchen:

The kitchen counter is 36" high and has cabinets underneath that prevent full knee clearance. (PRIORITY LOW)

Men's and Women's Locker Rooms:

The restroom elements are substantially compliant. The showers in both locker rooms have access features but are not compliant sizes. If this locker room is altered, they should be made fully compliant. However, this is a lower



RECOMMENDATIONS:

Parent's Lounge: This door needs to be widened to a minimum of 32" clear width.

Stage: An accessible route needs to be provided to the stage, if this stage is used for any type of community activity.

Kitchen and Art Room Sinks: If these sinks are used by the community, they are required to be compliant. Compliance means the counters are 34" high with knee clearance under the sink.

CITY OF TULSA – PARKS REPORT

<p>priority. (PRIORITY LOW)</p> <p><u>Art Class:</u></p> <p>The counter in the Art Class is 36” high and the sink has cabinets preventing full knee clearance. (PRIORITY LOW)</p> <p>PRIORITY MEDIUM COST: \$6,900</p> <p>PRIORITY LOW COST: \$ 11,520</p>	<p>RECOMMENDATIONS (CON’T):</p> <p><u>Men’s and Women’s Locker Rooms:</u> The showers in the locker rooms are 40” by 58” with the narrow end open. This does not comply with any access standard. However, it is a lower priority because it does have some accessible features and is usable by some. We recommend investing in a couple sturdy shower chairs in case they are needed. If these rooms are altered, or a complaint is taken, the showers should be brought into full compliance.</p>
<p>POOL AND POOL BUILDING</p> <p>The path of travel to the pool has broken concrete and a level change to get into the building. (PRIORITY HIGH)</p> <p><u>Mens’s and Women’s Restrooms</u> (PRIORITY MEDIUM)</p> <p>The women’s restroom has the water closet mounted with the center line at 27” from the wall.</p> <p>Lavatory – Pipes are not wrapped in either the men’s or women’s lavatory.</p> <p>Urinal in Men’s room is mounted at 21” high with a center line at 11 ½”.</p> <p><u>Showers:</u> (PRIORITY LOW)</p> <p>No compliant features are provided in the showers provided. Grab bars are installed, but they are not compliant for this size shower.</p> <p>PRIORITY HIGH COST: \$ 19,845</p> <p>PRIORITY MEDIUM COST: \$ 3,685</p> <p>PRIORITY LOW COST: \$ 1,888</p>	<div data-bbox="825 542 1264 873" data-label="Image"> </div> <div data-bbox="825 878 1163 1330" data-label="Image"> </div> <p>RECOMMENDATIONS:</p> <p><u>Path of Travel:</u> The path of travel to the pool should be altered for compliance. ADA requires an accessible route be maintained in an accessible condition. This is also a liability issue, which makes it a higher priority.</p> <p><u>Men and Women’s Restrooms:</u> Ensure each restroom has at least one fully accessible stall. Modifying the existing stalls may be difficult with the type of walls, so a separate compliant stall or single user restroom are other options. Costs will vary depending on resolution chosen. Costs figured are an average.</p> <p>Showers: Ensure each shower room has at least one accessible shower stall. This can be either a 36” by 36” transfer style shower or a 30” min by 60” min roll in shower.</p>

CITY OF TULSA – PARKS REPORT

TENNIS COURTS, BALL FIELDS AND EXTERIOR AMENITIES:

Picnic Tables:

There are several picnic tables around the site and all are noted on elevated concrete slabs with level changes.

Tennis and Basketball Courts:

The paths of travel to the tennis and basketball courts is gravel with pits and level changes.

Baseball Diamond

The gravel path noted above also leads to the baseball diamonds, but it requires crossing a bridge with a significant level change caused by wearing away of the soil in front of it. There is a separate parking lot on the baseball diamond side, with no compliant parking, but the path from the Rec Center seems to be utilized by most.

PRIORITY HIGH

COSTS: \$38,282



RECOMMENDATIONS:

Ensure a minimum of 5% of the picnic tables have accessible routes to them and accessible seating at them.


Resurface the path of travel to the tennis and basketball courts. Ensure pits are filled and level changes are mitigated. Costs were figured using a RAP material with bonding agent and can increase significantly depending on surface material chosen.



RECOMMENDATIONS:

Resurface the path of travel to the baseball diamonds. Ensure pits are filled and level changes are mitigated. Costs were figured using a RAP material with bonding agent and can increase significantly depending on surface material chosen.

CITY OF TULSA – PARKS REPORT

PARK NAME:	VETERANS PARK
AMENITIES OFFERED:	1 play ground 1 Restroom Building 2 sports fields 1 Memorial 2 water play area 6 picnic tables 1 picnic shelter
NUMBER OF PARKING SPACES:	44 total spaces - One with H/C symbol painted on it, but no compliant signage, no access aisle and no path of travel from the space to
TOTAL ESTIMATED COSTS:	\$ 36,560
GENERAL NOTES:	This park has a memorial to veterans, many of whom are disabled. The ramps serving this memorial have egregious slopes that are both non-compliant and dangerous. This should be among the first things altered by the City.
NUMBER OF ACCESSIBLE PARKING SPACES	0 – Compliant 1 – Attempted 2 - Required
<p>This accessible parking space is not compliant. There is no compliant signage, no access aisle, no path of travel. There is only one space and two are required.</p> <p>PRIORITY HIGH COSTS: \$ 3,500</p>	<div style="text-align: center;">  </div> <p>RECOMMENDATION:</p> <p>Install two fully compliant spaces. Based on the configuration of this park, it would be best to provide one near the sidewalk leading to the amenities and one near the sidewalk leading over to the memorial.</p>

CITY OF TULSA – PARKS REPORT

This playground has an accessible route leading to it. However, the path into the playground area is dangerous because of the level changes. This should be resolved for liability purposes.

PRIORITY MEDIUM

COSTS: \$ 4,500



RECOMMENDATIONS:

Add material to bring the edge of the playground closer to the edge of the material and reduce the

The slopes of the ramps leading up to the memorial are excessively over any reasonable tolerance. They measure 26.8% and are not allowed to exceed 8.33%. These need to be replaced for compliance.

PRIORITY HIGH


COSTS: \$ 28,560



RECOMMENDATIONS:

Remove and reinstall ramps with slopes as gentle as possible and no slope over 8.33%. While only one accessible route is required, we recommend replacing both ramps because of the severe nature of the slopes in place. Costs provided are for replacement of both ramps.

CITY OF TULSA – PARKS REPORT

PARK NAME:	Whiteside Park	
AMENITIES OFFERED:	1 Play Ground 6 Sports Fields 2 Lighted Tennis Courts 1 Jr Pool 1 Rec Center	1 Miles of Trail 1 Indoor Gym 1 Picnic Shelter 7 Picnic Tables 1R Restrooms
NUMBER OF PARKING SPACES:	2 Lots 105 total spaces in rec center lot 55 total spaces serving playgrounds	
NUMBER OF ACCESSIBLE PARKING SPACES:	2 – Substantially compliant in playground lot, but only one has a sign 4 – Substantially compliant in rec center lot 6 - Required	
TOTAL ESTIMATED COST:	\$52,403 (\$62,976 is the cost alternative, if fixing up the rec center is decided)	
GENERAL NOTES:	<p>The striping is very light and difficult to see, but the spaces are substantially compliant. The accessible parking serving the playground has two compliant parking spaces but only one has the required signage.</p> <p>The recreation center was not operational. It was built in 1963 and no decision has been made on whether this building would be reopened or not.</p>	
<p>The accessible parking spaces in front of the playground area (smaller lot) has two accessible parking spaces but only one has a sign.</p> <p>PRIORITY HIGH</p> <p>COST: \$250</p>		<p>RECOMMENDATION:</p> <p>While not perfect, the accessible parking spaces are substantially compliant except for a sign required at one of the spaces over by the playgrounds (smaller lot).</p>

CITY OF TULSA – PARKS REPORT

RECREATIONAL BUILDING

The doors throughout the building have round knobs instead of levers.

The reception desk/info counter is 37 ½” high.

Neither the men’s or women’s restrooms have any access features. No accessible stalls are provided.

The men’s and women’s restrooms (front) only have 2 ¼” on the pull side of the door.

Room A has a sink in it. The counter is 39” high with cabinets under the sink.

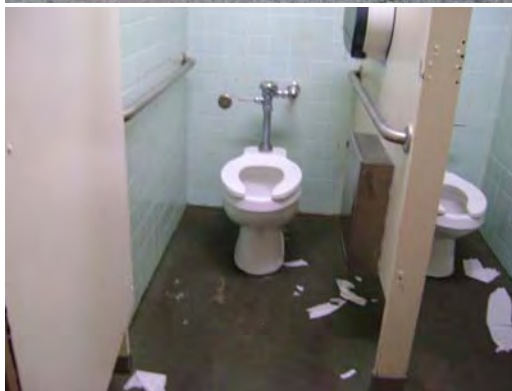
The women’s shower room has a 60” by 34” shower that is large enough for access features, but non are installed.

The men’s shower room does not have an accessible shower at all.

Only one exterior drinking fountain is provided. Where there is one there is supposed to be two, one for people in wheelchairs and one for people who have trouble bending or stooping.

PRIORITY DEPENDSON IF THIS BUILDING WILL BE USED OR NOT. CURRENTLY THERE IS A DECISION TO BE MADE ON THE FUTURE OF THIS BUILDING

COST: \$ 62,976 (If building is reopened to the public)



RECOMMENDATION:

If this building will be kept for public use;

Replace all door knobs with lever hardware

Ensure all information counters/reception desks are fully compliant

Ensure each restroom has one fully compliant 6’ wide stall. If this is not possible because of the wall construction, ensure there is a fully compliant unisex restroom.

In common use areas where sinks are provided, ensure the sink is in a counter that does not exceed 34” aff and has full knee clearance.

Both the men’s and women’s shower rooms need to have fully compliant showers installed.

Where drinking fountains are provided there needs to be two, one shall not exceed 36” aff and the other at standard heights (between 38” and 43” aff.

CITY OF TULSA – PARKS REPORT

POOL AND POOL BUILDING

The door to the pool area is only 28" wide. A minimum of 32" clear width is required. (PRIORITY HIGH)

Mens's and Women's Restrooms

The men's and women's restrooms do not have accessible stalls, the stall width is only 35 ½". An accessible stall is required to be 60" minimum. (PRIORITY MEDIUM)

Lavatory – Pipes are not wrapped in either the men's or women's lavatory. The lavatories also have push faucets that do not stay on a minimum of 10 seconds. (PRIORITY LOW)

Urinal in Men's room is mounted at 24" high in a 57" deep alcove that is only 28 ½" wide. The urinal is required to be no higher than 17" and the alcove must be at least 36" wide. (PRIORITY MEDIUM)

The hand dryers protrude into the path of travel. (PRIORITY LOW)

Mirrors in the men's and women's rooms are mounted too hi, at 48" (men's) and 43" (women's) respectfully.

PRIORITY HIGH

COST: \$ 1,200

PRIORITY MEDIUM

COST: \$ 13,750

PRIORITY LOW

COST: \$ 1,100



RECOMMENDATIONS:

Men and Women's Restrooms: Ensure each restroom has at least one fully accessible stall. Modifying the existing stalls may be difficult with the type of walls, so a separate compliant stall or single user restroom are other options. Costs will vary depending on resolution chosen. Costs figured are an average.

The hand dryers either need to be moved out of the circulation path or a smaller dryer needs to replace them.

CITY OF TULSA – PARKS REPORT

TENNIS COURTS, SAND VOLLEYBALL, PLAYGROUNDS AND EXTERIOR AMENITIES:

Exterior Benches:

There are several picnic tables around the site and all are noted on concrete slabs with elevation changes.

Tennis, Basketball Courts and Ball Fields:

The path of travel to the tennis and basketball courts is gravel with pits and level changes. The path to the tennis courts has a slope up to 14.4%.

Playground:

Even where there is a path of travel into a play area, there is a level change at the bottom of it.

PRIORITY HIGH

COSTS: \$19,853



RECOMMENDATIONS:

Ensure a minimum of 5% of the picnic tables have accessible routes to them and accessible seating at them.

Resurface the path of travel to the tennis and basketball courts. Ensure pits are filled and level changes are mitigated. Costs will vary depending on surfacing used. A bonding agent and can increase durability and reduce maintenance.

Where ramps are provided, or anywhere the surfaces change, ensure there is no more than 1/4" level change (1/2" if there is a 1:2 bevel). This is both a violation of ADA accessible route requirements and a liability issue.

CITY OF TULSA – PARKS REPORT

TENNIS COURTS:

There are currently two doors into the tennis courts. One has a curb in front of it with a significant level change and the other has a 14.4% slope leading to it. Neither are accessible and the 14.4% slope is a potential danger.

Although only one of the doors has to be altered for compliance, and it's more cost effective to alter the one with the level change, that ramp should not be left as is. It should be removed or altered for compliance.

PRIORITY HIGH

COST: \$16,250



One of the two doors to the tennis courts need to be accessible. The path between the courts can be inside the court area. An accessible route has to be provided and the end with the level change (pictured top) seems to be the most cost effective to alter. However we recommend altering the more expensive side to remove the liability issue. So costs are figured for that.

Tulsa ADA Self-evaluation and Transition Plan Update
Transit Stops Cost Projection Summary
8/9/2012

Location Number	Route Number - Location Name	Total Cost Projection
0001	Route: 222C - E 6th St S ~ north (west of S Owasso Ave)	\$ 200.00
0002	Route: 101 - N Cincinnati Ave E ~ east (north of E Pine St)	\$ 700.00
0003	Route: 101 - N Hartford Ave ~ east (north of E 39th St N)	\$ -
0004	Route: 222C - S Harvard Ave ~ east (north of E 36th St)	\$ -
0005	Route: 105 - S Newport Ave ~ west (south of E 64th St)	\$ -
0006	Route: 222C - E Oklahoma St ~ south (west of N Lansing Ave)	\$ 800.00
0007	Route: 105 - W 1st ~ north (west of S Boston Ave)	\$ -
0008	Route: 105 - E 2nd St ~ south (east of S Main St)	\$ 200.00
0009	Route: 222C - E 31st St ~ south (east of S Pittsburgh Pl)	\$ -
0010	Route: 222C - E 31st St ~ north (west of S Yale Ave)	\$ 1,700.00
0011	Route: 222C - E 41st St ~ north (west of S 102nd E Ave)	\$ 700.00
0012	Route: 222C - E 41st St ~ south (west of S 94th E Ave)	\$ 1,400.00
0013	Route: 222C - E 41st St ~ north (west of S 68th E Ave)	\$ 800.00
0014	Route: 222C - E 41st St S ~ north (west of S Fulton Ave)	***
0015	Route: 222C - E 41st St S ~ south (west of S Rockford Ave, north leg)	\$ 1,400.00
0016	Route: 222C - E 41st St ~ south (east of S Yale Ave)	\$ 900.00
0017	Route: 222C - S Memorial Dr ~ east (north of E 41st St)	\$ 3,800.00
0018	Route: 222C - S Sheridan Rd ~ east (north of E 41st St)	\$ 1,400.00
0019	Route: 222C - S Yale Ave ~ east (north of E 41st St S)	\$ -
0020	Route: 105 - E 61st St S~ north (west of S Newport Ave)	\$ -
0021	Route: 105 - E 61st St S~ north (west of S Peoria Ave)	***
0022	Route: 222C - W Archer St ~ north (west of N Boston Ave)	\$ -
0023	Route: 222C - W Archer St ~ south (east of S Main St)	\$ 200.00
0024	Route: 222C - S Garnett Rd ~ west (south of E 11th St)	\$ -
0025	Route: 222C - S Garnett Rd ~ east (north of E 11th St)	\$ -
0026	Route: 222C - S Garnett Rd ~ west (north of E 19th St)	\$ 300.00
0027	Route: 222C - S Garnett Rd ~ east (north of E 29th St, east leg)	\$ 1,100.00
0028	Route: 222C - N Elgin Ave ~ east (north of E Independence St)	\$ 900.00
0029	Route: 105 - S Lewis Ave ~ west (south of E 73rd St)	***
0030	Route: 105 - S Peoria Ave ~ west (south of E 2nd St)	\$ -
0031	Route: 105 - S Peoria Ave ~ west (north of E 41st St)	\$ -
0032	Route: 105 - S Peoria Ave ~ west (south of E 45th Pl, west leg)	\$ -
0033	Route: 105 - S Peoria Ave ~ east (south of E 45th Pl, west leg)	\$ -
0034	Route: 105 - N Peoria Ave ~ west (south of E 46th N)	\$ -
0035	Route: 105 - S Peoria Ave ~ west (south of E 51st St S)	\$ 700.00
0036	Route: 105 - S Peoria Ave ~ west (south of E 53rd St)	\$ 1,800.00
0037	Route: 105 - N Peoria ~ west (south of E 56th St N)	\$ 4,700.00
0038	Route: 105 - S Peoria Ave ~ west (south of E 56th St)	\$ -
0039	Route: 105 - S Peoria Ave ~ east (north of E 57th Pl)	\$ 400.00
0040	Route: 105 - S Peoria Ave ~ east (north of E 61st St S)	\$ 1,500.00
0041	Route: 105 - S Peoria Ave ~ east (north of Riverside Dr)	\$ -
0042	Route: 105 - S Peoria Ave ~ east (north of E Skelly Dr)	\$ 2,100.00
0043	Route: 222C - E Pine St ~ north (west of N 93rd E Ave)	\$ 6,100.00
0044	Route: 222C - E Pine St ~ north (west of N Greenwood Pl)	\$ 1,200.00
0045	Route: 222C - E Pine St ~ south (east of Greenwood Ave, south leg)	\$ 1,400.00
0046	Route: 222C - E Pine St ~ south (west of N Indianapolis Ave)	\$ 300.00
0047	Route: 222C - E Pine St ~ south (west of N 89th E Ave)	\$ 4,500.00
0048	Route: 222C - N Peoria Ave ~ east (north of E Pine St)	\$ 300.00
0049	Route: 222C - E Pine St ~ north (west of N Yale Ave)	\$ 1,600.00
0050	Route: 222C - S Utica Ave ~ west (south of E 12th St)	\$ -
0051	Route: 105 - S Newport Ave ~ east (south of E 64th St)	\$ -
Total		\$ 43,100.00

*** Note: Transit stop was removed after field work was completed.

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31.25

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E 6th St S ~ north (west of S Owasso Ave)

GPS ID: 0001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	120.00
Engineering: (% +/-)	15%	\$ 34.29
Contingency: (% +/-)	20%	\$ 45.71
Estimated Project Cost:	\$	200.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Medium
Pedestrian Attractor Score: 28.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 101 Location: N Cincinnati Ave E ~ east (north of E Pine St)

GPS ID: 0002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	5	SY	\$ 80.00	\$ 400.00
2	SIDEWALK REMOVAL (SD-1)	5	SY	\$ 10.00	\$ 50.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	450.00
Engineering: (% +/-)	15%	\$ 107.14
Contingency: (% +/-)	20%	\$ 142.86
Estimated Project Cost:	\$	700.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 28
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 101 Location: N Hartford Ave ~ east (north of E 39th St N)	GPS ID: 0003
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 33
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 222C	Location: S Harvard Ave ~ east (north of E 36th St)	GPS ID: 0004
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0004 222C

Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 23.5
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: S Newport Ave ~ west (south of E 64th St)	GPS ID: 0005
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 25.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E Oklahoma St ~ south (west of N Lansing Ave) **GPS ID:** 0006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	5	SY	\$ 80.00	\$ 400.00
2	SIDEWALK REMOVAL (SD-1)	5	SY	\$ 10.00	\$ 50.00
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost		Subtotal:	\$	570.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 98.57
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 131.43
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	800.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 25.25
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: W 1st ~ north (west of S Boston Ave)	GPS ID: 0007
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0007 105

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 28.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: E 2nd St ~ south (east of S Main St)

GPS ID: 0008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

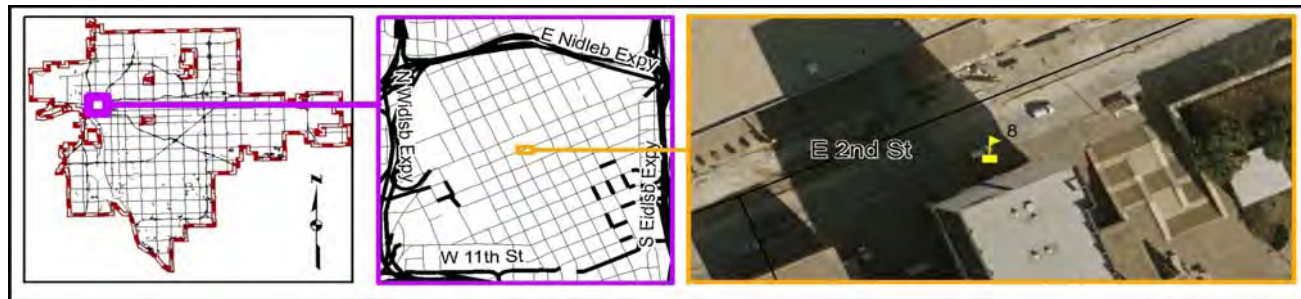
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	120.00
Engineering: (% +/-)	15%	\$ 34.29
Contingency: (% +/-)	20%	\$ 45.71
Estimated Project Cost:	\$	200.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 33
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 222C	Location: E 31st St ~ south (east of S Pittsburg Pl)	GPS ID: 0009
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0009 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 28

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E 31st St ~ north (west of S Yale Ave) **GPS ID:** 0010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	12	SY	\$ 80.00	\$ 960.00
2	SIDEWALK REMOVAL (SD-1)	12	SY	\$ 10.00	\$ 120.00
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	1,200.00
Engineering: (% +/-)	15%	\$ 214.29
Contingency: (% +/-)	20%	\$ 285.71
Estimated Project Cost:	\$	1,700.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant	X	Remove and replace clear floor space

End of Page 1



End of Project Description for Project 0010 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 26

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E 41st St ~ north (west of S 102nd E Ave)

GPS ID: 0011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	BENCH	1	EA	\$ 500.00	\$ 500.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	500.00
Engineering: (% +/-)	15%	\$ 85.71
Contingency: (% +/-)	20%	\$ 114.29
Estimated Project Cost:	\$	700.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant	X	Remove and replace bench so CFS is 30" x 48"
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Medium
Pedestrian Attractor Score: 23.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: E 41st St ~ south (west of S 94th E Ave)

GPS ID: 0012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	11	SY	\$ 80.00	\$ 880.00
2	SIDEWALK REMOVAL (SD-1)	11	SY	\$ 10.00	\$ 110.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
 Preliminary Design
 Final Design

Subtotal:	\$	990.00
Engineering: (% +/-)	15%	\$ 175.71
Contingency: (% +/-)	20%	\$ 234.29
Estimated Project Cost:	\$	1,400.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%	X	
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 23.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E 41st St ~ north (west of S 68th E Ave)

GPS ID: 0013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	6	SY	\$ 80.00	\$ 480.00
2	SIDEWALK REMOVAL (SD-1)	6	SY	\$ 10.00	\$ 60.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	540.00
Engineering: (% +/-)	15%	\$ 111.43
Contingency: (% +/-)	20%	\$ 148.57
Estimated Project Cost:	\$	800.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"	X	Remove and replace lighting area
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant	X	Remove and replace clear floor space

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Medium
Pedestrian Attractor Score: 28.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: E 41st St S ~ north (west of S Fulton Ave) GPS ID: 0014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	7	SY	\$ 80.00	\$ 560.00
2	SIDEWALK REMOVAL (SD-1)	7	SY	\$ 10.00	\$ 70.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	630.00
Engineering: (% +/-)	15%	\$ 115.71
Contingency: (% +/-)	20%	\$ 154.29
Estimated Project Cost:	\$	900.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0014 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 30.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E 41st St S ~ south (west of S Rockford Ave, north leg) **GPS ID:** 0015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	11	SY	\$ 80.00	\$ 880.00
2	SIDEWALK REMOVAL (SD-1)	11	SY	\$ 10.00	\$ 110.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	990.00
Engineering: (% +/-)	15%	\$ 175.71
Contingency: (% +/-)	20%	\$ 234.29
Estimated Project Cost:	\$	1,400.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0015 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Low
Pedestrian Attractor Score: 28

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: E 41st St ~ south (east of S Yale Ave) GPS ID: 0016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	7	SY	\$ 80.00	\$ 560.00
2	SIDEWALK REMOVAL (SD-1)	7	SY	\$ 10.00	\$ 70.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	630.00
Engineering: (% +/-)	15%	\$ 115.71
Contingency: (% +/-)	20%	\$ 154.29
Estimated Project Cost:	\$	900.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0016 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 23.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** S Memorial Dr ~ east (north of E 41st St)

GPS ID: 0017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	34	SY	\$ 80.00	\$ 2,720.00
2	SIDEWALK REMOVAL (SD-1)	6	SY	\$ 10.00	\$ 60.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
 Preliminary Design
 Final Design

Subtotal:	\$	2,780.00
Engineering: (% +/-)	15%	\$ 437.14
Contingency: (% +/-)	20%	\$ 582.86
Estimated Project Cost:	\$	3,800.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop does not exist	X	Install sidewalk
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant	X	Remove and replace clear floor space

End of Page 1



End of Project Description for Project 0017 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Medium
Pedestrian Attractor Score: 21

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** S Sheridan Rd ~ east (north of E 41st St)

GPS ID: 0018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	11	SY	\$ 80.00	\$ 880.00
2	SIDEWALK REMOVAL (SD-1)	11	SY	\$ -10.00	\$ 110.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	990.00
Engineering: (% +/-)	15%	\$ 175.71
Contingency: (% +/-)	20%	\$ 234.29
Estimated Project Cost:	\$	1,400.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%	X	
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Compliant
Pedestrian Attractor Score: 21

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: S Yale Ave ~ east (north of E 41st St S)

GPS ID: 0019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost		Subtotal: \$	-
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-)	15%	\$ -
<input type="checkbox"/> Preliminary Design	Contingency:(% +/-)	20%	\$ -
<input type="checkbox"/> Final Design	Estimated Project Cost: \$		-

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

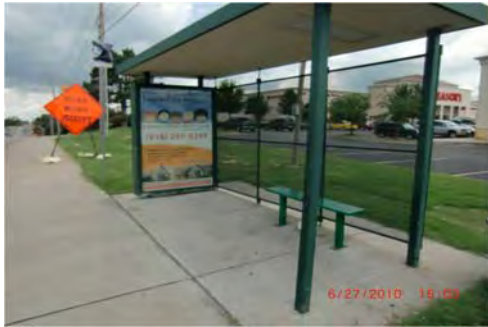
Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0019 222C

Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 28.5
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: E 61st St S- north (west of S Newport Ave)	GPS ID: 0020
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost	Subtotal: \$	-
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15%	\$ -
<input type="checkbox"/> Preliminary Design	Contingency:(% +/-) 20%	\$ -
<input type="checkbox"/> Final Design	Estimated Project Cost: \$	-

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 30.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: E 61st St S~ north (west of S Peoria Ave)

GPS ID: 0021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	120.00
Engineering: (% +/-)	15%	\$ 34.29
Contingency: (% +/-)	20%	\$ 45.71
Estimated Project Cost:	\$	200.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 19.5
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 222C	Location: W Archer St ~ north (west of N Boston Ave)	GPS ID: 0022
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost	Subtotal: \$	-
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15%	\$ -
<input type="checkbox"/> Preliminary Design	Contingency:(% +/-) 20%	\$ -
<input type="checkbox"/> Final Design	Estimated Project Cost: \$	-

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 22.75

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** W Archer St ~ south (east of S Main St)

GPS ID: 0023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	120.00
Engineering: (% +/-)	15%	\$ 34.29
Contingency: (% +/-)	20%	\$ 45.71
Estimated Project Cost:	\$	200.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

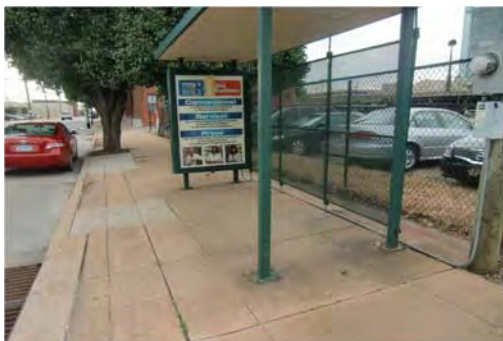
Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0023 222C

Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 21
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 222C	Location: S Garnett Rd ~ west (south of E 11th St)	GPS ID: 0024
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost	Subtotal: \$	-
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15%	\$ -
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-) 20%	\$ -
<input type="checkbox"/> Final Design	Estimated Project Cost: \$	-

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

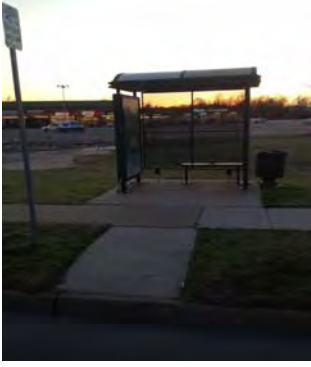
Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 21
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 222C	Location: S Garnett Rd ~ east (north of E 11th St)	GPS ID: 0025
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost	Subtotal: \$	-
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-)	15% \$
<input type="checkbox"/> Preliminary Design	Contingency:(% +/-)	20% \$
<input type="checkbox"/> Final Design	Estimated Project Cost: \$	-

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0025 222C

Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: High Pedestrian Attractor Score: 21
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 222C	Location: S Garnett Rd ~ west (north of E 19th St)	GPS ID: 0026
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	2	SY	\$ 80.00	\$ 160.00
2	SIDEWALK REMOVAL (SD-1)	2	SY	\$ -10.00	\$ -20.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost	Subtotal: \$ 180.00
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15% \$ 51.43
<input type="checkbox"/> Preliminary Design	Contingency:(% +/-) 20% \$ 68.57
<input type="checkbox"/> Final Design	Estimated Project Cost: \$ 300.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant	X	Remove and replace clear floor space

End of Page 1



End of Project Description for Project 0026 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Medium
Pedestrian Attractor Score: 33

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: S Garnett Rd ~ east (north of E 29th St, east leg) GPS ID: 0027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	5	SY	\$ 80.00	\$ 400.00
2	SIDEWALK REMOVAL (SD-1)	5	SY	\$ 10.00	\$ 50.00
3	TRANSIT SIGN POST	1	EA	\$ 300.00	\$ 300.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	750.00
Engineering: (% +/-)	15%	\$ 150.00
Contingency: (% +/-)	20%	\$ 200.00
Estimated Project Cost:	\$	1,100.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
Transit stop sign post damaged	X	Remove and replace transit sign post
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 29.25

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** N Elgin Ave ~ east (north of E Independence St)

GPS ID: 0028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	6	SY	\$ 80.00	\$ 480.00
2	SIDEWALK REMOVAL (SD-1)	6	SY	\$ 10.00	\$ 60.00
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	660.00
Engineering: (% +/-)	15%	\$ 102.86
Contingency: (% +/-)	20%	\$ 137.14
Estimated Project Cost:	\$	900.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"	X	Remove and replace lighting area
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant	X	Remove and replace clear floor space

End of Page 1



End of Project Description for Project 0028 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 26

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Lewis Ave ~ west (south of E 73rd St)

GPS ID: 0029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	2	SY	\$ 80.00	\$ 160.00
2	SIDEWALK REMOVAL (SD-1)	2	SY	\$ 10.00	\$ 20.00
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	300.00
Engineering: (% +/-)	15%	\$ 85.71
Contingency: (% +/-)	20%	\$ 114.29
Estimated Project Cost:	\$	500.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant	X	Remove and replace clear floor space

End of Page 1



End of Project Description for Project 0029 105

Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 21
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: S Peoria Ave ~ west (south of E 2nd St)	GPS ID: 0030
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Compliant
Pedestrian Attractor Score: 30.5

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Peoria Ave ~ west (north of E 41st St)

GPS ID: 0031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	-
Engineering: (% +/-)	15%	\$ -
Contingency: (% +/-)	20%	\$ -
Estimated Project Cost:	\$	-

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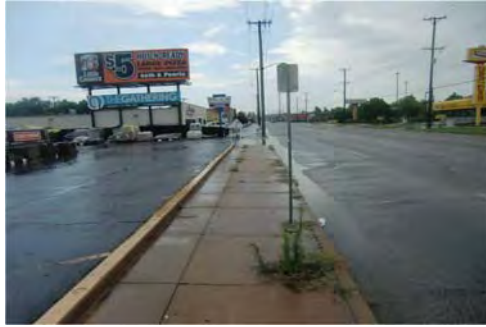
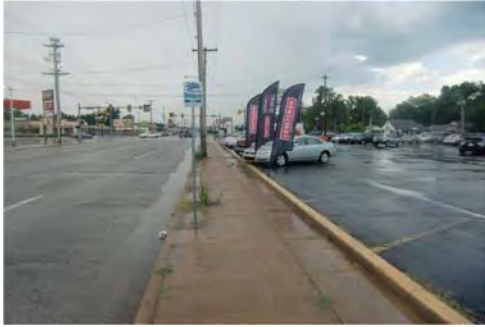
Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 35.5
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: S Peoria Ave ~ west (south of E 45th Pl, west leg)	GPS ID: 0032
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 35.5
-----------------------------------------------------------------------	------------------------------------------------------------------------------------

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: S Peoria Ave ~ east (south of E 45th Pl, west leg)	GPS ID: 0033
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 21
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: N Peoria Ave ~ west (south of E 46th N)	GPS ID: 0034
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost	Subtotal: \$	-
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15%	\$ -
<input type="checkbox"/> Preliminary Design	Contingency:(% +/-) 20%	\$ -
<input type="checkbox"/> Final Design	Estimated Project Cost: \$	-

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Medium
Pedestrian Attractor Score: 28

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Peoria Ave ~ west (south of E 51st St S)

GPS ID: 0035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	5	SY	\$ 80.00	\$ 400.00
2	SIDEWALK REMOVAL (SD-1)	5	SY	\$ 10.00	\$ 50.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	450.00
Engineering: (% +/-)	15%	\$ 107.14
Contingency: (% +/-)	20%	\$ 142.86
Estimated Project Cost:	\$	700.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 26

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Peoria Ave ~ west (south of E 53rd St)

GPS ID: 0036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	16	SY	\$ 80.00	\$ 1,280.00
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	1,280.00
Engineering: (% +/-)	15%	\$ 222.86
Contingency: (% +/-)	20%	\$ 297.14
Estimated Project Cost:	\$	1,800.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb	X	Install sidewalk
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area does not exist	X	Install lift lighting area
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0036 105

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 26

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: N Peoria ~ west (south of E 56th St N)

GPS ID: 0037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	42	SY	\$ 80.00	\$ 3,360.00
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
 Preliminary Design
 Final Design

Subtotal:	\$	3,480.00
Engineering: (% +/-)	15%	\$ 522.86
Contingency: (% +/-)	20%	\$ 697.14
Estimated Project Cost:	\$	4,700.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop does not exist	X	Install sidewalk
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0037 105

Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 26
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 105 Location: S Peoria Ave ~ west (south of E 56th St)	GPS ID: 0038
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 26

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Peoria Ave ~ east (north of E 57th PI)

GPS ID: 0039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	3	SY	\$ 80.00	\$ 240.00
2	SIDEWALK REMOVAL (SD-1)	3	SY	\$ 10.00	\$ 30.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	270.00
Engineering: (% +/-)	15%	\$ 55.71
Contingency: (% +/-)	20%	\$ 74.29
Estimated Project Cost:	\$	400.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant	X	Remove and replace sidewalk
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 26

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Peoria Ave ~ east (north of E 61st St S)

GPS ID: 0040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	12	SY	\$ 80.00	\$ 960.00
2	SIDEWALK REMOVAL (SD-1)	12	SY	\$ -10.00	\$ -120.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	1,080.00
Engineering: (% +/-)	15%	\$ 180.00
Contingency: (% +/-)	20%	\$ 240.00
Estimated Project Cost:	\$	1,500.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant	X	Remove and replace sidewalk
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0040 105

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Compliant
Pedestrian Attractor Score: 26

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Peoria Ave ~ east (north of Riverside Dr)

GPS ID: 0041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	-
Engineering: (% +/-)	15%	\$ -
Contingency: (% +/-)	20%	\$ -
Estimated Project Cost:	\$	-

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 105 Location: S Peoria Ave ~ east (north of E Skelly Dr)

GPS ID: 0042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	18	SY	\$ 80.00	\$ 1,440.00
2	SIDEWALK REMOVAL (SD-1)	11	SY	\$ 10.00	\$ 110.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
 Preliminary Design
 Final Design

Subtotal:	\$	1,550.00
Engineering: (% +/-)	15%	\$ 235.71
Contingency: (% +/-)	20%	\$ 314.29
Estimated Project Cost:	\$	2,100.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb	X	Install sidewalk
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%	X	
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0042 105

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E Pine St ~ north (west of N 93rd E Ave)

GPS ID: 0043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	55	SY	\$ 80.00	\$ 4,400.00
2	SIDEWALK REMOVAL (SD-1)	11	SY	\$ 10.00	\$ 110.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,510.00
Engineering: (% +/-)	15%	\$ 681.43
Contingency: (% +/-)	20%	\$ 908.57
Estimated Project Cost:	\$	6,100.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop does not exist	X	Install sidewalk
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%	X	
Running slope of sidewalk route to lift lighting area is greater than 5.0%	X	Remove and replace lighting area
Running slope of lift lighting area is greater than 2.0%	X	
Lift lighting area is less than 96" x 60"	X	
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E Pine St ~ north (west of N Greenwood Pl)

GPS ID: 0044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	8	SY	\$ 80.00	\$ 640.00
2	SIDEWALK REMOVAL (SD-1)	8	SY	\$ 10.00	\$ 80.00
3	SHEET ALUMINUM SIGNS	6	SF	\$ 20.00	\$ 120.00

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	840.00
Engineering: (% +/-)	15%	\$ 154.29
Contingency: (% +/-)	20%	\$ 205.71
Estimated Project Cost:	\$	1,200.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage	X	Install transit stop signage
Running slope of sidewalk in front of stop is greater than 2.0%	X	
Cross slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant	X	Remove and replace clear floor space

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: Medium
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: E Pine St ~ south (east of Greenwood Ave, south leg) GPS ID: 0045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	11	SY	\$ 80.00	\$ 880.00
2	SIDEWALK REMOVAL (SD-1)	11	SY	\$ 10.00	\$ 110.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	990.00
Engineering: (% +/-)	15%	\$ 175.71
Contingency: (% +/-)	20%	\$ 234.29
Estimated Project Cost:	\$	1,400.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: E Pine St ~ south (west of N Indianapolis Ave)

GPS ID: 0046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	2	SY	\$ 80.00	\$ 160.00
2	SIDEWALK REMOVAL (SD-1)	2	SY	\$ 10.00	\$ 20.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	180.00
Engineering: (% +/-)	15%	\$ 51.43
Contingency: (% +/-)	20%	\$ 68.57
Estimated Project Cost:	\$	300.00

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Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant	X	Remove and replace clear floor space
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0046 222C

Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E Pine St ~ south (west of N 89th E Ave)

GPS ID: 0047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	41	SY	\$ 80.00	\$ 3,280.00
2	SIDEWALK REMOVAL (SD-1)	5	SY	\$ 10.00	\$ 50.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,330.00
Engineering: (% +/-)	15%	\$ 501.43
Contingency: (% +/-)	20%	\$ 668.57
Estimated Project Cost:	\$	4,500.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop does not exist	X	Install sidewalk
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C Location: N Peoria Ave ~ east (north of E Pine St)

GPS ID: 0048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	2	SY	\$ 80.00	\$ 160.00
2	SIDEWALK REMOVAL (SD-1)	2	SY	\$ 10.00	\$ 20.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	180.00
Engineering: (% +/-)	15%	\$ 51.43
Contingency: (% +/-)	20%	\$ 68.57
Estimated Project Cost:	\$	300.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant	X	Remove and replace clear floor space
Clear floor space completely under shelter is non-compliant		

End of Page 1



Kimley-Horn and Associates, Inc.
Project Description

Transit Stop Priority: High
Pedestrian Attractor Score: 31

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 3/19/2012
Prepared By: EPE
Checked By: SRA

Route: 222C **Location:** E Pine St ~ north (west of N Yale Ave)

GPS ID: 0049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	13	SY	\$ 80.00	\$ 1,040.00
2	SIDEWALK REMOVAL (SD-1)	13	SY	\$ 10.00	\$ 130.00
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	1,170.00
Engineering: (% +/-)	15%	\$ 184.29
Contingency: (% +/-)	20%	\$ 245.71
Estimated Project Cost:	\$	1,600.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%	X	Remove and replace sidewalk
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%	X	Remove and replace sidewalk
Running slope of lift lighting area is greater than 2.0%	X	Remove and replace lighting area
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



End of Project Description for Project 0049 222C

Kimley-Horn and Associates, Inc. Project Description	Transit Stop Priority: Compliant Pedestrian Attractor Score: 31
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Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061274700	Date: 3/19/2012 Prepared By: EPE Checked By: SRA
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Route: 222C	Location: S Utica Ave ~ west (south of E 12th St)	GPS ID: 0050
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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
2	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
3	SHEET ALUMINUM SIGNS	0	SF	\$ 20.00	\$ -

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ - Engineering: (% +/-) 15% \$ - Contingency:(% +/-) 20% \$ - Estimated Project Cost: \$ -
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Project Details

Issues (excludes arterial sidewalk network)	Issue Exists	Recommendations
Sidewalk route to stop is non-compliant		
Connection needed from arterial sidewalk network to curb		
No transit stop signage		
Running slope of sidewalk in front of stop is greater than 2.0%		
Cross slope of sidewalk in front of stop is greater than 2.0%		
Running slope of sidewalk route to lift lighting area is greater than 5.0%		
Running slope of lift lighting area is greater than 2.0%		
Lift lighting area is less than 96" x 60"		
Clear floor space next to stand-alone bench is non-compliant		
Clear floor space completely under shelter is non-compliant		

End of Page 1



Tulsa ADA Self-evaluation and Transition Plan Update
Signalized Intersection Cost Projection Summary
8/9/2012

GPS ID	Project Name	Cost Projection
0001	Intersection of S 129th East Ave and E 61st St S	\$ 12,000.00
0002	Intersection of E 51st St and S 129th East Ave	\$ 21,000.00
0003	Intersection of S 129th East Ave and Statefarm Blvd	\$ 16,000.00
0004	Intersection of E 41st St and S 129th East Ave	\$ 22,000.00
0005	Intersection of E 31st St and S 129th East Ave	\$ 25,000.00
0006	Midblock Crossing at S 129th E Ave (north of E 26th St)	\$ 9,000.00
0007	Intersection of S 129th East Ave and E 21st St	\$ 12,000.00
0008	Intersection of E 11th St and S 129th East Ave	\$ 26,000.00
0009	Intersection of S Detroit Ave and E 10th St	\$ 20,000.00
0010	Intersection of W 1st St and S Boulder Ave	\$ 23,000.00
0011	Intersection of W 1st St and S Cheyenne Ave	\$ 27,000.00
0012	Intersection of W 1st St and S Denver Ave	\$ 16,000.00
0013	Intersection of W 1st St and S Main St	\$ 23,000.00
0014	Intersection of E 1st St and S Cincinnati Ave	\$ 10,000.00
0015	Intersection of E 1st St and S Detroit Ave	\$ 25,000.00
0016	Intersection of E 1st St and S Elgin Ave	\$ 36,000.00
0017	Intersection of S Utica Ave and E 1st St	\$ 17,000.00
0018	Intersection of E 1st St and S Boston Ave	\$ 21,000.00
0019	Intersection of S Boulder Ave and E 10th St	\$ 18,000.00
0020	Intersection of E 2nd St and S Detroit Ave	\$ 15,000.00
0021	Intersection of W 2nd St and S Boulder Ave	\$ 15,000.00
0022	Intersection of W 2nd St and S Cheyenne Ave	\$ 16,000.00
0023	Intersection of E 2nd St and S Cincinnati Ave	\$ 12,000.00
0024	Intersection of S Denver Ave and W 2nd St	\$ 15,000.00
0025	Intersection of E 2nd St and S Elgin Ave	\$ 23,000.00
0026	Intersection of E 31st St and S New Haven Ave	\$ 22,000.00
0027	Intersection of S Urbana Ave and E 31st St	\$ 23,000.00
0028	Intersection of N 31st St and SH 51WB Exit Ramp	\$ 23,000.00
0029	Intersection of W 3rd St and S Denver Ave	\$ 14,000.00
0030	Intersection of S Cheyenne Ave and W 3rd St	\$ 6,000.00
0031	Intersection of W 3rd St and S Boulder Ave	\$ 9,000.00
0032	Intersection of W 3rd St and S Main St	\$ 5,000.00
0033	Intersection of S Boston Ave and E 3rd St	\$ 4,000.00
0034	Intersection of S Cincinnati Ave and E 3rd St	\$ 2,000.00
0035	Intersection of S Detroit Ave and E 3rd St	\$ 5,000.00
0036	Intersection of E 3rd St and S Elgin Ave	\$ 16,000.00
0037	Intersection of S Utica Ave and E 3rd St	\$ 49,000.00
0038	Intersection of S Delaware Ave and E 3rd St	\$ 22,000.00
0040	Intersection of S Lewis Ave and E 41st St	\$ 26,000.00
0042	Intersection of E 41st St and Edison Prep School driveway	\$ 22,000.00
0043	Midblock Crossing at E 41st St (west of S Marion Ave)	\$ 9,000.00
0044	Midblock Crossing at E 41st St (east of S Pittsburg Ave)	\$ 13,000.00
0045	Intersection of E 41st St and S Darlington Ave	\$ 28,000.00
0046	Intersection of E 41st St and S 74th E Ave	\$ 12,000.00
0047	Intersection of W 4th St and S Denver Ave	\$ 17,000.00

GPS ID	Project Name	Cost Projection
0048	Intersection of S Cheyenne Ave and W 4th St	\$ 15,000.00
0049	Intersection of W 4th St and S Boulder Ave	\$ 6,000.00
0050	Intersection of W 4th St and S Main St	\$ 12,000.00
0051	Intersection of E 4th St and S Boston Ave	\$ 4,000.00
0052	Intersection of E 4th St and S Cincinnati Ave	\$ 8,000.00
0053	Intersection of E 4th St and S Detroit Ave	\$ 15,000.00
0054	Intersection of E 4th St and S Elgin Ave	\$ 31,000.00
0055	Intersection of S Denver Ave and W 5th St	\$ 16,000.00
0056	Intersection of S Cheyenne Ave and W 5th St	\$ 26,000.00
0057	Intersection of W 5th St and S Boulder Ave	\$ 22,000.00
0058	Intersection of S Boston Ave and E 5th St	\$ 6,000.00
0059	Intersection of E 5th St and S Cincinnati Ave	\$ 21,000.00
0060	Intersection of S Detroit Ave and E 5th St	\$ 20,000.00
0061	Intersection of E 5th St and S Elgin Ave	\$ 35,000.00
0062	Intersection of W 6th St and S Denver Ave	\$ 26,000.00
0063	Intersection of S Cheyenne Ave and W 6th St	\$ 22,000.00
0064	Intersection of S Boulder Ave and W 6th St	\$ 22,000.00
0065	Intersection of W 6th St and S Main St	\$ 3,000.00
0066	Intersection of E 6th St and S Boston Ave	\$ 2,000.00
0067	Intersection of S Cincinnati Ave and E 6th St	\$ 30,000.00
0068	Intersection of E 6th St and S Detroit Ave	\$ 24,000.00
0069	Intersection of S Utica Ave and E 6th St	\$ 22,000.00
0070	Intersection of S Elgin Ave and E 6th St	\$ 24,000.00
0071	Intersection of S Lewis Ave and E 6th St	\$ 23,000.00
0072	Intersection of S Peoria Ave and E 6th St (south)	\$ 23,000.00
0073	Intersection of S Delaware Ave and E 6th St	\$ 20,000.00
0074	Intersection of E 71st St and Riverside Pkwy	\$ 18,000.00
0075	Intersection of E 71st St and S Trenton Ave	\$ 34,000.00
0076	Intersection of S Wheeling Ave and E 71st St	\$ 29,000.00
0077	Intersection of S Lewis Ave and E 71 St	\$ 24,000.00
0078	Intersection of S Evanston Ave and E 71st St	\$ 30,000.00
0079	Intersection of E 71st St and S Harvard Ave	\$ 33,000.00
0080	Intersection of E 71st St and S Pittsburg Ave	\$ 22,000.00
0081	Intersection of S Yale Ave and E 71st St	\$ 28,000.00
0082	Intersection of E 71st St and S Canton Ave (north)	\$ 29,000.00
0083	Intersection of E 71st St and S Irvington Ave	\$ 22,000.00
0084	Intersection of E 71st St and S Granite Ave	\$ 27,000.00
0085	Intersection of S Sheridan Rd and E 71st St	\$ 27,000.00
0086	Intersection of S 73rd East Ave and E 71st St	\$ 28,000.00
0087	Intersection of S Memorial Dr and E 71st St	\$ 28,000.00
0089	Intersection of S Denver Ave and W 7th St	\$ 25,000.00
0090	Intersection of W 7th St and S Cheyenne Ave	\$ 25,000.00
0091	Intersection of W 7th St and S Boulder Ave	\$ 23,000.00
0092	Intersection of W 7th St and S Main St	\$ 17,000.00
0093	Intersection of E 7th St and S Boston Ave	\$ 13,000.00
0094	Intersection of E 7th St and S Cincinnati Ave	\$ 19,000.00
0095	Intersection of S Detroit Ave and E 7th St	\$ 23,000.00
0096	Intersection of E 7th St and S Elgin Ave	\$ 31,000.00
0097	Intersection of S Cheyenne Ave and W 8th St	\$ 35,000.00
0098	Intersection of W 8th St and S Denver Ave	\$ 16,000.00

GPS ID	Project Name	Cost Projection
0099	Intersection of S Boulder Ave and W 8th St	\$ 26,000.00
0100	Intersection of S Main St and W 8th St	\$ 18,000.00
0101	Intersection of E 8th St and S Boston Ave	\$ 9,000.00
0102	Intersection of E 8th St and S Cincinnati Ave	\$ 21,000.00
0103	Intersection of S Detroit Ave and E 8th St	\$ 26,000.00
0104	Intersection of S Elgin Ave and E 8th St	\$ 26,000.00
0105	Intersection of E Admiral Blvd and S Utica Ave	\$ 24,000.00
0106	Intersection of S Boston St and E 10th St	\$ 16,000.00
0107	Intersection of E Admiral Pl and N Pittsburg Ave	\$ 21,000.00
0108	Intersection of E Admiral Pl and N Yale Ave	\$ 39,000.00
0110	Intersection of S 73rd East Ave and E Admiral Pl	\$ 35,000.00
0111	Intersection of S Memorial Dr and E Admiral Pl	\$ 27,000.00
0112	Intersection of S 129th East Ave and E Admiral Pl	\$ 22,000.00
0113	Intersection of S Main St and E 10th St	\$ 26,000.00
0114	Intersection of S Harvard Ave and E 41st St	\$ 32,000.00
0115	Intersection of S Harvard Ave and E 31st St	\$ 26,000.00
0116	Intersection of S Harvard Ave and E 27th St	\$ 18,000.00
0117	Intersection of S Harvard Ave and SH 51 EB Exit Ramp	\$ 12,000.00
0118	Intersection of S Harvard Ave and SH 51 WB Ramp	\$ 26,000.00
0119	Intersection of S Harvard Ave and E 21st St	\$ 29,000.00
0120	Midblock Crossing at S Harvard Ave (north of E 19th St)	\$ 12,000.00
0121	Intersection of S Harvard Ave and E 15th St	\$ 27,000.00
0122	Intersection of S Harvard Ave and E 11th St	\$ 30,000.00
0123	Intersection of N Harvard Ave and E Independence St	\$ 29,000.00
0124	Intersection of N Harvard Ave and E Pine St	\$ 23,000.00
0125	Intersection of E Skelly Dr (WB) and S Lewis Ave	\$ 21,000.00
0126	Intersection of S Lewis Ave and E 61st St	\$ 25,000.00
0127	Intersection of S Lewis Ave and E 21st St	\$ 48,000.00
0129	Intersection of S Lewis Ave and E 17th St	\$ 35,000.00
0130	Intersection of S Lewis Ave and E 15th St	\$ 38,000.00
0132	Intersection of E 14th St and S Lewis Ave	\$ 18,000.00
0133	Intersection of S Lewis Ave and E 11th St	\$ 18,000.00
0134	Intersection of S Lewis Ave and E 3rd St	\$ 22,000.00
0135	Intersection of S Lewis Ave and E Admiral Blvd	\$ 36,000.00
0136	Intersection of E Independence St and N Lewis Ave	\$ 23,000.00
0138	Intersection of N Lewis Ave and E Pine St	\$ 17,000.00
0139	Intersection of E 1st St and S Lewis Ave	\$ 22,000.00
0140	Intersection of E 41st St and S Memorial Dr	\$ 22,000.00
0141	Intersection of E 15th St and S Memorial Dr	\$ 27,000.00
0142	Intersection of E 11th St and S Memorial Dr	\$ 19,000.00
0143	Intersection of S Memorial Dr and E 4th Pl	\$ 14,000.00
0144	Intersection of S Memorial Dr and E 2nd St	\$ 26,000.00
0145	Intersection of N Memorial Dr and E Pine St	\$ 6,000.00
0146	Intersection of E 41st St and S Mingo Rd	\$ 24,000.00
0147	Intersection of S Peoria Ave and E 56th St	\$ 30,000.00
0148	Intersection of S Peoria Ave and E Skelly Dr (EB)	\$ 23,000.00
0149	Intersection of E Skelly Dr (WB) and S Peoria Ave	\$ 18,000.00
0150	Intersection of S Peoria Ave and E 45th Pl (west)	\$ 15,000.00
0151	Intersection of E 41st St and S Peoria Ave	\$ 37,000.00
0152	Intersection of E 36th St and S Peoria Ave	\$ 29,000.00

GPS ID	Project Name	Cost Projection
0153	Intersection of S Peoria Ave and E 35th St	\$ 18,000.00
0154	Intersection of S Peoria Ave and E 33rd Pl	\$ 18,000.00
0155	Intersection of E 31st St and S Peoria Ave	\$ 18,000.00
0157	Intersection of S Peoria Ave and E 21st St	\$ 23,000.00
0158	Intersection of S Peoria Ave and E 15th St	\$ 25,000.00
0159	Intersection of E 11th St and S Peoria Ave	\$ 34,000.00
0160	Intersection of E 3rd St and S Peoria Ave	\$ 33,000.00
0161	Intersection of S Peoria Ave and E Admiral Blvd	\$ 37,000.00
0162	Intersection of E Archer St and N Peoria Ave	\$ 23,000.00
0163	Intersection of N Peoria Ave and E Virgin St	\$ 31,000.00
0164	Intersection of N Peoria Ave and E Pine St	\$ 26,000.00
0165	Intersection of E Pine St and N Cincinnati Ave	\$ 31,000.00
0166	Intersection of E Pine St and N Greenwood Ave	\$ 21,000.00
0167	Intersection of E Pine St and N Midland Ave	\$ 25,000.00
0168	Intersection of E Pine St and N Lansing Ave	\$ 20,000.00
0169	Intersection of E 31st St and S Sheridan Rd	\$ 20,000.00
0170	Intersection of S Cincinnati Ave and E 10th St	\$ 22,000.00
0172	Intersection of E 15th St and S Sheridan Rd	\$ 25,000.00
0173	Intersection of S Sheridan Rd and E 11th St	\$ 20,000.00
0175	Midblock Crossing at S Sheridan Rd (north of E 3rd St)	\$ 8,000.00
0176	Intersection of N Sheridan Rd and I-244 Ramp	\$ 23,000.00
0177	Intersection of N Sheridan Rd and E King St (north)	\$ 12,000.00
0178	Intersection of N Sheridan Rd and E Pine St	\$ 38,000.00
0179	Intersection of E 21st St S and S Utica Ave	\$ 20,000.00
0180	Intersection of S Utica Ave and E 19th St	\$ 21,000.00
0181	Intersection of S Utica Ave and E 15th St	\$ 23,000.00
0182	Intersection of S Utica Ave and E 14th St	\$ 19,000.00
0183	Intersection of E 13th Pl and S Utica Ave	\$ 20,000.00
0184	Intersection of S Utica Ave and E 12th St	\$ 41,000.00
0185	Intersection of S Utica Ave and E 11th St	\$ 33,000.00
0186	Intersection of N Utica Ave and E Pine St	\$ 23,000.00
0187	Intersection of S Yale Ave and E 68th St (west)	\$ 26,000.00
0188	Intersection of E 66th St and S Yale Ave	\$ 25,000.00
0189	Intersection of S Yale Ave and E 55th Pl	\$ 26,000.00
0190	Intersection of S Yale Ave and E 51st St	\$ 30,000.00
0191	Intersection of S Yale Ave and E 41st St	\$ 21,000.00
0192	Intersection of S Yale Ave and E 21st St	\$ 29,000.00
0193	Intersection of S Yale Ave and E 15th St	\$ 32,000.00
0194	Intersection of S Yale Ave and E 11th St	\$ 29,000.00
0195	Intersection of S Yale Ave and E 4th Pl	\$ 35,000.00
0196	Intersection of S Yale Ave and I-244 WB Ramp	\$ 22,000.00
0197	Intersection of S Yale Ave and I-244 WB Ramp	\$ 22,000.00
0198	Intersection of N Yale Ave and E Pine St	\$ 24,000.00
0199	Intersection of S Delaware Ave and I-244 South	\$ 19,000.00
0200	Intersection of S Delaware Ave and I-244 North	\$ 21,000.00
0209	Midblock Crossing at E 46th St N (east of N Frankfort Pl)	\$ 10,000.00
0212	Intersection of Mohawk Blvd and N Cincinnati Ave	\$ 20,000.00
0216	Intersection of S Garnett Rd and Union E.S. Driveway (7601 S Garnett Rd)	\$ 32,000.00
0218	Intersection of N Hartford Ave and E 36th St N	\$ 26,000.00
0221	Intersection of E 56th St N and N Lewis Ave	\$ 26,000.00

GPS ID	Project Name	Cost Projection
0222	Intersection of N Lewis Ave and E 46th St N	\$ 28,000.00
0226	Intersection of N Memorial Dr and I-244	\$ 23,000.00
0227	Intersection of S Memorial Dr and E 68th St	\$ 27,000.00
0228	Intersection of E 91st St and S Memorial Dr	\$ 27,000.00
0230	Intersection of E 101st St and S Memorial Dr	\$ 25,000.00
0232	Intersection of N Peoria Ave and E 56th St N	\$ 18,000.00
0240	Intersection of S Sheridan Rd and E Skelly Dr	\$ 16,000.00
0241	Intersection of S Sheridan Rd and E 43rd St	\$ 18,000.00
0245	Intersection of E Archer St and N Detroit Ave	\$ 28,000.00
0246	Intersection of E Archer St and N Cincinnati Ave	\$ 23,000.00
0247	Intersection of W Archer St and N Main St	\$ 25,000.00
0248	Intersection of W Archer St and N Boulder Ave	\$ 21,000.00
0249	Intersection of W Archer St and N Denver Ave	\$ 23,000.00
0250	Intersection of W 7th St and S Houston Ave	\$ 40,000.00
0251	Intersection of E 9th St and S Detroit Ave	\$ 22,000.00
0252	Intersection of S Cincinnati Ave and E 9th St	\$ 22,000.00
0253	Intersection of S Boston Ave and E 9th St	\$ 28,000.00
0254	Intersection of S Main St and E 9th St	\$ 26,000.00
0300	Intersection of S Delaware Ave and E 11th St	\$ 45,000.00
0301	Intersection of S Tucker Dr and E 11th St	\$ 31,000.00
0302	Intersection of S Pittsburg Ave and E 11th St	\$ 49,000.00
0303	Intersection of E 11th St and S 73rd East Ave	\$ 59,000.00
0304	Intersection of S Mingo Rd and E 11th St	\$ 39,000.00
0305	Intersection of E 11th St and S 101st East Ave	\$ 50,000.00
0306	Intersection of E 11th St and US 169 SB Ramp	\$ 51,000.00
0307	Intersection of E 11th St and US 169 NB Ramp	\$ 31,000.00
0308	Intersection of S Garnett Rd and E 11th St	\$ 63,000.00
0311	Intersection of Southwest Blvd and W 23rd St	\$ 45,000.00
0312	Intersection of S Jackson Ave and W 23rd St	\$ 35,000.00
0313	Intersection of W 21st St and S Boulder Park Dr	\$ 54,000.00
0314	Intersection of S Cincinnati Ave and E 21st St	\$ 59,000.00
0315	Intersection of E 21st St and S Wheeling Ave	\$ 64,000.00
0316	Intersection of S Yorktown Ave and E 21st St	\$ 21,000.00
0317	Intersection of S Columbia Ave and E 21st St	\$ 22,000.00
0318	Intersection of E 21st St and SH 51 WB Ramp	\$ 47,000.00
0319	Intersection of E 21st St and S Pittsburg Ave	\$ 12,000.00
0320	Intersection of Fairgrounds Gate 12 and E 21st St S	\$ 52,000.00
0321	Intersection of E 21st St and S Sheridan Rd	\$ 22,000.00
0322	Intersection of E 21st St and S Memorial Dr	\$ 46,000.00
0323	Intersection of E 21st St and S 91st East Ave	\$ 32,000.00
0324	Intersection of E 21st St and E I-44 WB Exit Ramp	\$ 55,000.00
0325	Intersection of E 21st St and E I-44 EB Exit Ramp	\$ 33,000.00
0326	Intersection of S 101st East Ave and E 21st St	\$ 21,000.00
0327	Intersection of E 21st St and US 169 SB Ramp	\$ 52,000.00
0328	Intersection of E 21st St and US 169 NB Ramp	\$ 29,000.00
0329	Intersection of S Garnett Rd and E 21st St	\$ 30,000.00
0330	Intersection of S 121st East Ave and E 21st St	\$ 33,000.00
0331	Intersection of S 137th East Ave and E 21st St	\$ 21,000.00
0332	Intersection of E 21st St and S 145th East Ave	\$ 52,000.00
0333	Intersection of N 25th West Ave and W Edison St	\$ 30,000.00

GPS ID	Project Name	Cost Projection
0334	Intersection of S Utica Ave and E 31st St	\$ 42,000.00
0335	Intersection of E 31st St and S Lewis Ave	\$ 56,000.00
0336	Intersection of E 31st St and S Hudson Ave	\$ 51,000.00
0337	Intersection of E 31st St and I-44 WB Entrance Ramp	\$ 53,000.00
0338	Intersection of E 31st St and I-44 EB Exit Ramp	\$ 60,000.00
0339	Intersection of S Memorial Dr and E 31st St	\$ 46,000.00
0340	Intersection of E 31st St and S 90th East Ave	\$ 18,000.00
0341	Intersection of S Mingo Rd and E 31st St	\$ 18,000.00
0342	Intersection of E 31st St and US 169 SB Ramp	\$ 42,000.00
0343	Intersection of E 31st St and US 169 NB Ramp	\$ 67,000.00
0344	Intersection of S 108th East Ave and E 31st St	\$ 32,000.00
0345	Intersection of S Garnett Rd and E 31st St	\$ 35,000.00
0347	Intersection of W 36th St N and L.L. Tisdale Pkwy	\$ 67,000.00
0349	Intersection of N Cincinnati Ave and E 36th St N	\$ 50,000.00
0350	Intersection of N Lewis Ave and E 36th St N	\$ 54,000.00
0352	Intersection of Southwest Blvd and W 41st St	\$ 17,000.00
0353	Intersection of W 41st St and S Union Pl	\$ 36,000.00
0354	Intersection of Riverside Dr and E 41st St	\$ 21,000.00
0355	Intersection of E 41st St and S Utica Ave	\$ 43,000.00
0356	Intersection of E 41st St South and S Hudson Ave	\$ 45,000.00
0357	Intersection of E 41st St and I-44 WB Ramp	\$ 42,000.00
0358	Intersection of E 41st St and I-44 EB Ramp	\$ 31,000.00
0359	Intersection of E 41st St and S Sheridan Rd	\$ 37,000.00
0360	Intersection of S 102nd East Ave and E 41st St	\$ 40,000.00
0361	Intersection of E 41st St and US 169 SB Ramp	\$ 30,000.00
0362	Intersection of E 41st St and US 169 NB Ramp	\$ 31,000.00
0363	Intersection of E 41st St and S 109th East Ave	\$ 37,000.00
0364	Intersection of E 41st St and S Garnett Rd	\$ 40,000.00
0365	Intersection of S 145th East Ave and E 41st St	\$ 30,000.00
0366	Intersection of E 46th St N and N Cincinnati Ave	\$ 40,000.00
0367	Intersection of E 46th St N and N Hartford Ave	\$ 41,000.00
0368	Intersection of N Peoria Ave and E 46th St N	\$ 30,000.00
0369	Intersection of E 46th St N and N Mingo Rd	\$ 51,000.00
0370	Intersection of W 51st St and S 33rd West Ave	\$ 37,000.00
0371	Intersection of S Harvard Ave and E 51st St South	\$ 63,000.00
0372	Intersection of E 51st St South and I-44 Ramp	\$ 39,000.00
0373	Intersection of E 51st St and S Darlington Ave	\$ 21,000.00
0374	Intersection of E 51st St and S Hudson Ave	\$ 36,000.00
0375	Intersection of S Sheridan Rd and E 51st St	\$ 39,000.00
0376	Intersection of S 76th East Ave and E 51st St	\$ 36,000.00
0377	Intersection of S Memorial Dr and E 51st St	\$ 62,000.00
0378	Intersection of S Mingo Rd and E 51st St	\$ 45,000.00
0379	Intersection of E 51st St and US 169 SB Ramp	\$ 31,000.00
0380	Intersection of E 51st St and US 169 NB Ramp	\$ 39,000.00
0381	Intersection of S Garnett Rd and E 51st St	\$ 65,000.00
0382	Intersection of E 51st St and SH 51 EB Exit Ramp	\$ 23,000.00
0383	Intersection of E 51st St and S 161st Ave E	\$ 35,000.00
0386	Intersection of W 61st St and S Union Ave	\$ 31,000.00
0387	Intersection of Riverside Dr and E 61st St S	\$ 18,000.00
0388	Intersection of S Peoria Ave and E 61st St	\$ 34,000.00

GPS ID	Project Name	Cost Projection
0389	Intersection of E 61st St and S Harvard Ave	\$ 62,000.00
0390	Intersection of E 61st St and Richard Shinn Blvd	\$ 16,000.00
0391	Intersection of S Yale Ave and E 61st St	\$ 65,000.00
0392	Intersection of E 61st St and St Francis	\$ 27,000.00
0393	Intersection of E 61st St and S Hudson Ave (north)	\$ 21,000.00
0394	Intersection of E 61st St and S Sheridan Rd	\$ 72,000.00
0395	Intersection of S 76th East Ave and E 61st St	\$ 61,000.00
0396	Intersection of S Memorial Dr and E 61st St	\$ 60,000.00
0397	Intersection of E 61st St and S Mingo Rd	\$ 40,000.00
0398	Intersection of E 61st St and US 169 SB Ramp	\$ 44,000.00
0399	Intersection of E 61st St and US 169 NB Ramp	\$ 34,000.00
0400	Intersection of S 107th East Ave and E 61st St	\$ 22,000.00
0401	Intersection of S Garnett Rd and E 61st St	\$ 17,000.00
0402	Intersection of E 61st St and S 118th Ave East	\$ 4,000.00
0403	Intersection of S Union Ave and W 71st St	\$ 33,000.00
0404	Intersection of W 71st St and US 75 SB Ramp	\$ 37,000.00
0405	Intersection of W 71st St and US 75 NB Ramp	\$ 16,000.00
0406	Intersection of W 71st St and S Olympia Ave	\$ 44,000.00
0407	Intersection of S Elwood Ave and W 71st St	\$ 72,000.00
0408	Intersection of E 71st St and S 85th East Ave	\$ 53,000.00
0409	Intersection of E 71st St and S 89th East Ave	\$ 44,000.00
0410	Intersection of S 92nd East Ave and E 71st St	\$ 47,000.00
0411	Intersection of S Mingo Rd and E 71st St	\$ 34,000.00
0412	Intersection of E 71st St and S 101st East Ave	\$ 30,000.00
0413	Intersection of E 71st St and US 169 SB Ramp	\$ 37,000.00
0414	Intersection of E 71st St and US 169 NB Ramp	\$ 35,000.00
0415	Intersection of E 71st St and S 109th East Ave	\$ 26,000.00
0416	Intersection of E 71st St and S Garnett Rd	\$ 19,000.00
0417	Intersection of W 81st St and S Olympia Ave	\$ 38,000.00
0418	Intersection of Riverside Dr and E 81st St	\$ 55,000.00
0419	Intersection of S Lewis Ave and E 81st St	\$ 35,000.00
0420	Intersection of E 81st St and Mabee Center Driveway	\$ 26,000.00
0421	Intersection of E 81st St and S Delaware Ave	\$ 19,000.00
0422	Intersection of S Harvard Ave and E 81st St	\$ 38,000.00
0423	Intersection of E 81st St and S Yale Ave	\$ 37,000.00
0424	Intersection of S Sheridan Rd and E 81st St	\$ 34,000.00
0425	Intersection of S Memorial Dr and E 81st St	\$ 42,000.00
0426	Intersection of S Mingo Rd and E 81st St	\$ 28,000.00
0427	Intersection of E 81st St and S 101st East Ave	\$ 24,000.00
0429	Intersection of E 81st St and US 169 SB Ramp	\$ 51,000.00
0430	Intersection of E 81st St and US 169 NB Ramp	\$ 43,000.00
0431	Intersection of Riverside Dr and E 91st St S	\$ 44,000.00
0432	Intersection of E 91st St and S Delaware Ave E	\$ 43,000.00
0433	Intersection of E 91st St and S Harvard Ave	\$ 60,000.00
0434	Intersection of E 91st St and S Yale Ave	\$ 30,000.00
0435	Intersection of S Sheridan Rd and E 91st St	\$ 17,000.00
0437	Intersection of E 91st St and S Mingo Rd	\$ 35,000.00
0438	Intersection of E 91st St and S 101st East Ave	\$ 47,000.00
0439	Intersection of E 91st St and US 169 SB Ramp	\$ 27,000.00
0440	Intersection of E 91st St and US 169 NB Ramp	\$ 31,000.00

GPS ID	Project Name	Cost Projection
0441	Intersection of E 91st St and St. Francis Hospital East Entrance	\$ 37,000.00
0444	Intersection of E Admiral Pl and N Lewis Ave	\$ 73,000.00
0445	Intersection of N Harvard Ave and E Admiral Pl	\$ 71,000.00
0446	Intersection of S Sheridan Rd and E Admiral Pl	\$ 94,000.00
0447	Intersection of S Garnett Rd and E Admiral Pl	\$ 23,000.00
0448	Intersection of E Admiral Pl and Crossroads Fresh Connection Entrance	\$ 17,000.00
0449	Intersection of N 145th East Ave and E Admiral Pl	\$ 43,000.00
0450	Intersection of E Admiral Pl and S 193rd East Ave	\$ 37,000.00
0451	Intersection of E Apache St and N Cincinnati Ave	\$ 65,000.00
0452	Intersection of N Peoria Ave and E Apache St	\$ 57,000.00
0453	Intersection of N Trenton Ave and E Apache St	\$ 67,000.00
0454	Intersection of N Lewis Ave and E Apache St	\$ 66,000.00
0455	Intersection of N Harvard Ave and E Apache St	\$ 89,000.00
0456	Intersection of N Yale Ave and E Apache St	\$ 84,000.00
0457	Intersection of N Sheridan Rd and E Apache St	\$ 48,000.00
0458	Intersection of E Charles Page Blvd and S 49th West Ave	\$ 61,000.00
0459	Intersection of Charles Page Blvd and Gilcrease Museum Rd	\$ 48,000.00
0461	Intersection of W Edison St and N Denver Ave	\$ 54,000.00
0464	Intersection of S Garnett Rd and SH 51 EB Ramp	\$ 29,000.00
0465	Intersection of S Garnett Rd and SH 51 WB Ramp	\$ 28,000.00
0466	Midblock Crossing at S Garnett Rd (south of E 27th St)	\$ 10,000.00
0467	Intersection of E 17th St and S Garnett Rd	\$ 39,000.00
0468	Midblock Crossing at S Garnett Rd (south of E 7th St)	\$ 7,000.00
0469	Intersection of N Garnett Rd and E Pine St	\$ 32,000.00
0470	Intersection of S Harvard Ave and I-44 WB Ramp	\$ 56,000.00
0471	Intersection of S Harvard Ave and E 36th St	\$ 31,000.00
0473	Intersection of E 4th St and S Harvard Ave	\$ 13,000.00
0474	Midblock Crossing at N Harvard Ave (south of E Seminole St)	\$ 35,000.00
0475	Intersection of N Harvard Ave and E 36th St N	\$ 32,000.00
0476	Intersection of N Lewis Ave and Dawson Rd	\$ 29,000.00
0481	Intersection of S Lewis Ave and E 36th St	\$ 31,000.00
0482	Intersection of S Lewis Ave and E 69th St	\$ 48,000.00
0483	Intersection of S Lewis Ave and Oral Roberts University Main Entrance	\$ 34,000.00
0484	Intersection of S Lewis Ave and Mabee Center Northwest Entrance	\$ 34,000.00
0486	Intersection of S Memorial Dr and Target Shopping Center Entrance	\$ 44,000.00
0487	Intersection of S Memorial Dr and E 98th St	\$ 23,000.00
0488	Intersection of S Memorial Dr and Creek Turnpike EB Ramp	\$ 58,000.00
0489	Intersection of S Memorial Dr and Creek Turnpike WB Ramp	\$ 37,000.00
0490	Intersection of S Memorial Dr and E 66th St	\$ 62,000.00
0491	Intersection of E 46th St and S Memorial Dr	\$ 58,000.00
0492	Intersection of S Memorial Dr and SH 51 EB Ramp	\$ 37,000.00
0493	Intersection of S Memorial Dr and SH 51 WB Ramp	\$ 47,000.00
0494	Intersection of S Memorial Dr and E 35th St	\$ 60,000.00
0495	Intersection of E 33rd St and S Memorial Dr	\$ 38,000.00
0496	Intersection of S Memorial Dr and I-44 WB Exit Ramp	\$ 21,000.00
0497	Intersection of S Memorial Dr and E 27th St	\$ 32,000.00
0499	Intersection of S Mingo Rd and E 101st St	\$ 54,000.00
0500	Intersection of S Mingo Rd and E 66th St	\$ 39,000.00
0501	Intersection of E 55th Pl and S Mingo Rd	\$ 22,000.00
0502	Intersection of S Mingo Rd and E 47th Pl	\$ 38,000.00

GPS ID	Project Name	Cost Projection
0503	Intersection of S Mingo Rd and SH 51 EB Exit Ramp	\$ 22,000.00
0504	Intersection of N Mingo Rd and I-244 EB Exit Ramp	\$ 41,000.00
0505	Intersection of N Mingo Rd and E Pine St	\$ 22,000.00
0508	Midblock Crossing at E Pine St (east of N Atlanta Pl)	\$ 43,000.00
0510	Intersection of Riverside Pkwy and Creek Turnpike EB Ramp	\$ 78,000.00
0511	Intersection of Riverside Pkwy and Creek Turnpike WB Ramp	\$ 14,000.00
0512	Intersection of Riverside Pkwy and E 96th St	\$ 23,000.00
0513	Intersection of Riverside Pkwy and River Spirit Casino Entrance	\$ 19,000.00
0514	Intersection of S Peoria Ave and Riverside Dr	\$ 49,000.00
0515	Intersection of Riverside Dr and I-44 EB Ramp	\$ 32,000.00
0516	Intersection of Riverside Dr and I-44 WB Ramp	\$ 61,000.00
0517	Intersection of Riverside Dr and E 31st St	\$ 39,000.00
0518	Intersection of Riverside Dr and S Denver Ave W	\$ 13,000.00
0519	Intersection of S Sheridan Rd and E 101st St	\$ 31,000.00
0520	Intersection of E 57th St and S Sheridan Rd	\$ 66,000.00
0521	Intersection of S Sheridan Rd and E 46th St	\$ 54,000.00
0523	Intersection of S Sheridan Rd and SH 51 EB Ramp	\$ 39,000.00
0524	Intersection of S Sheridan Rd and SH 51 WB Ramp	\$ 36,000.00
0525	Midblock Crossing of S Sheridan Rd (north of E 24th St)	\$ 13,000.00
0526	Intersection of E 4th Pl and S Sheridan Rd	\$ 31,000.00
0527	Intersection of E Virgin St and N Sheridan Rd	\$ 66,000.00
0529	Intersection of Southwest Blvd and S 33rd West Ave	\$ 60,000.00
0530	Midblock Crossing at Southwest Blvd (south of W 25th St)	\$ 19,000.00
0531	Intersection of Southwest Blvd and W 25th St	\$ 35,000.00
0532	Intersection of Southwest Blvd and I-244 EB Ramp	\$ 31,000.00
0533	Intersection of Southwest Blvd and W 17th St	\$ 19,000.00
0534	Intersection of Southwest Blvd and W 7th St	\$ 37,000.00
0536	Intersection of S Yale Ave and E 101st St	\$ 38,000.00
0537	Intersection of S Yale Ave and Creek Turnpike EB Ramp	\$ 58,000.00
0538	Intersection of S Yale Ave and Creek Turnpike WB Ramp	\$ 55,000.00
0539	Intersection of S Yale Ave and E 65th St	\$ 35,000.00
0540	Intersection of S Yale Ave and I-44 EB Ramp	\$ 29,000.00
0541	Intersection of S Yale Ave and I-44 WB Ramp	\$ 48,000.00
0542	Intersection of S Yale Ave and E 43rd St	\$ 41,000.00
0543	Intersection of S Yale Ave and E Southroad Dr	\$ 2,000.00
0544	Intersection of S Yale Ave and E 36th St	\$ 46,000.00
0545	Intersection of S Yale Ave and E 31st St	\$ 29,000.00
0600	Intersection of S Denver Ave W and W 13th St	\$ 11,000.00
0601	Intersection of S Denver Ave W and W 12th St	\$ 41,000.00
0602	Midblock Crossing at E 2nd St (west of S Cincinnati Ave)	\$ 63,000.00
0603	Intersection of S Guthrie Ave and Heavy Traffic Wy	\$ 29,000.00
0604	Intersection of S Frisco Ave and W 3rd St	\$ 47,000.00
0605	Intersection of S Houston Ave and W 3rd St	\$ 68,000.00
0606	Intersection of W 6th St and W 7th St	\$ 54,000.00
0607	Intersection of S Cheyenne Ave and W 11th St	\$ 70,000.00
0608	Intersection of S Elgin Ave and E 10th St	\$ 63,000.00
0609	Intersection of S Denver Ave W and W 11th St	\$ 29,000.00
0611	Intersection of S Houston Ave and W 11th St	\$ 47,000.00
0612	Intersection of S Cincinnati Ave and E 13th St	\$ 68,000.00
0613	Intersection of S Detroit Ave and E 13th St	\$ 54,000.00

GPS ID	Project Name	Cost Projection
0614	Intersection of S Boston Ave and E 15th St	\$ 70,000.00
0615	Intersection of S Boulder Ave W and W 15th St	\$ 76,000.00
0616	Intersection of S Denver Ave W and W 15th St	\$ 64,000.00
0618	Intersection of S Main St and W 15th St	\$ 73,000.00
125a	Intersection of E 51st St and S Lewis Ave	\$ 18,000.00
211a	Intersection of N Cincinnati Ave and I-244 WB Ramp	\$ 21,000.00
211b	Intersection of N Cincinnati Ave and I-244 EB Ramp	\$ 18,000.00
214a	Intersection of N Detroit Ave and I-244 WB Ramp	\$ 18,000.00
214b	Intersection of N Detroit Ave and I-244 EB Ramp	\$ 18,000.00
219a	Intersection of S Harvard Ave and I-244 WB Ramp	\$ 21,000.00
219b	Intersection of S Harvard Ave and I-244 EB Ramp	\$ 21,000.00
231a	Midblock Crossing at N Peoria Ave (north of E 50th St N)	\$ 9,000.00
307A	Intersection of E 15th St and SH 51 WB Exit Ramp	\$ 9,000.00
308A	Intersection of S Delaware Ave and E 15th St	\$ 67,000.00
321A	Midblock Corssing at E 21st St (east of S 67th East Ave)	\$ 19,000.00
321B	Midblock Crossing at E 21st St (west of S 73rd East Ave)	\$ 23,000.00
333A	Intersection of N 25th West Ave and SH 64 WB Ramp / W Brady St	\$ 29,000.00
333B	Intersection of N 25th West Ave and SH 64 EB Ramp	\$ 30,000.00
333C	Katy Jogging Trail Crossing at N 25th West Ave (south of SH 64)	\$ 10,000.00
370A	Intersection of W 51st St and S Union Ave	\$ 35,000.00
382A	Intersection of S 145th East Ave and E 51st St South	\$ 72,000.00
386A	Intersection of S 33rd West Ave and W 61st St	\$ 48,000.00
402A	Intersection of E 61st St South and N Willow Ave	\$ 27,000.00
406A	Intersection of W 71st St and Tulsa Hills Dr	\$ 23,000.00
445B	Intersection of E Admiral Pl and N Lakewood Ave	\$ 15,000.00
460A	Midblock Crossing at N Cincinnati Ave (south of E Ute Pl)	\$ 12,000.00
482a	Intersection of S Lewis Ave and E 56th Pl	\$ 37,000.00
TOTAL		\$ 15,006,000.00

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 61st St S

GPS ID: 0001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	15.55	SY	\$ 10.00	\$ 155.50
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	15.55	SY	\$ 80.00	\$ 1,244.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,702.80
Engineering: (% +/-)	15%	\$ 1,413.09
Contingency: (% +/-)	20%	\$ 1,884.11
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X			X			
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X	X				X	
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X						X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X	X	X	X				X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	H	H	M	H	H	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 129th East Ave

GPS ID: 0002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,012.70
Engineering: (% +/-)	15%	\$ 2,565.99
Contingency: (% +/-)	20%	\$ 3,421.31
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				
No color contrast at base of ramp					X				Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and Statefarm Blvd

GPS ID: 0003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.34	SY	\$ 10.00	\$ 483.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

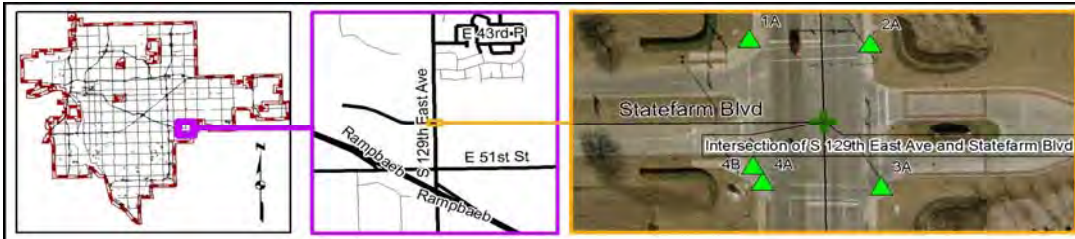
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,626.90
Engineering: (% +/-)	15%	\$ 1,874.19
Contingency: (% +/-)	20%	\$ 2,498.91
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X	X	Install colored truncated domes
No color contrast at base of ramp	X		X		X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S 129th East Ave

GPS ID: 0004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

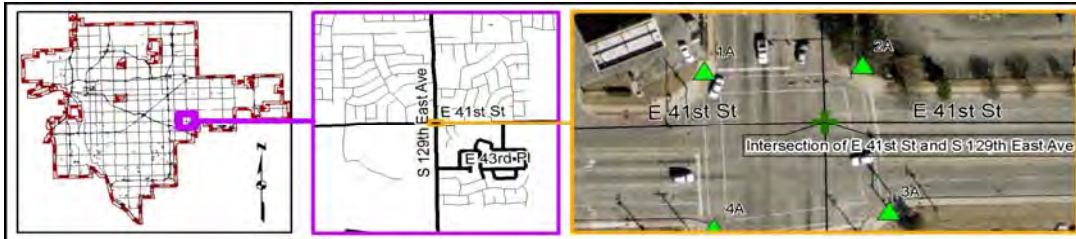
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,012.60
Engineering: (% +/-)	15%	\$ 2,566.03
Contingency: (% +/-)	20%	\$ 3,421.37
Estimated Project Cost:	\$	22,000.00

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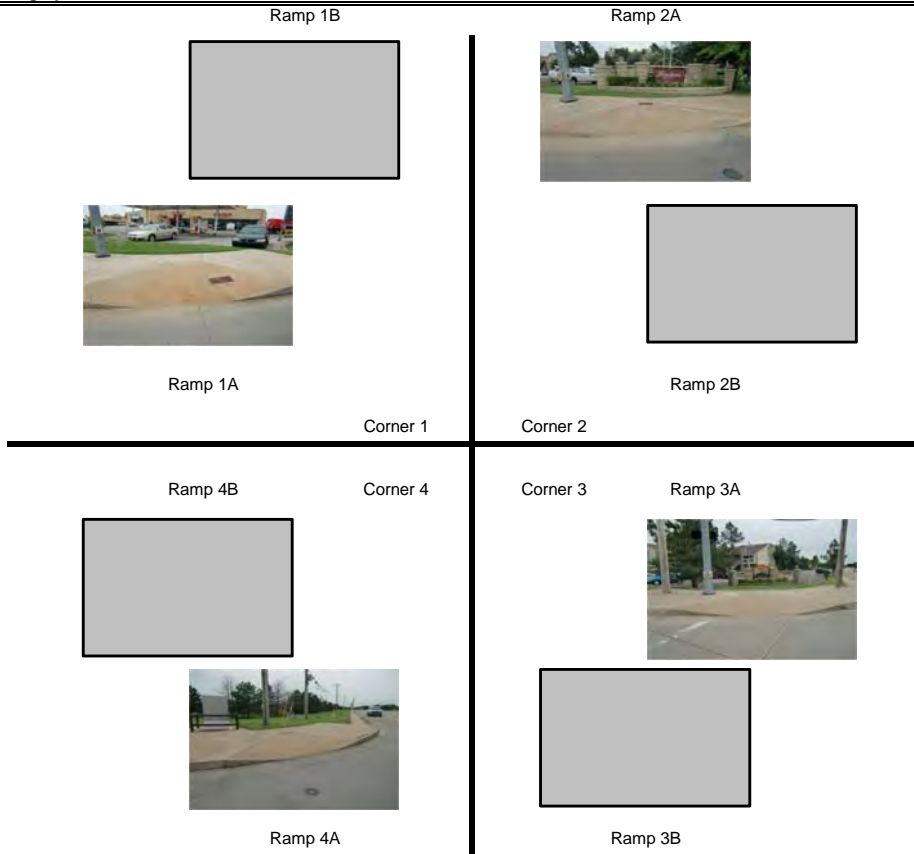
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 129th East Ave
 GPS ID: 0005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	17,809.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 3,081.60
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 4,108.80
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%	X		X	X					Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X		X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X	X	X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X	X	X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H	H	M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at S 129th E Ave (north of E 26th St)

GPS ID: 0006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,955.20
Engineering: (% +/-)	15%	\$ 1,304.91
Contingency: (% +/-)	20%	\$ 1,739.89
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 21st St

GPS ID: 0007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	52.81	SY	\$ 80.00	\$ 4,224.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,278.20
Engineering: (% +/-)	15%	\$ 1,595.06
Contingency: (% +/-)	20%	\$ 2,126.74
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 129th East Ave
 GPS ID: 0008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	19,212.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,908.97
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 3,878.63
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X			X	Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X			X	
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X					X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X			X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X			X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X			X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X			X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Detroit Ave and E 10th St

GPS ID: 0009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,712.80
Engineering: (% +/-)	15%	\$ 2,265.94
Contingency: (% +/-)	20%	\$ 3,021.26
Estimated Project Cost:	\$	20,000.00

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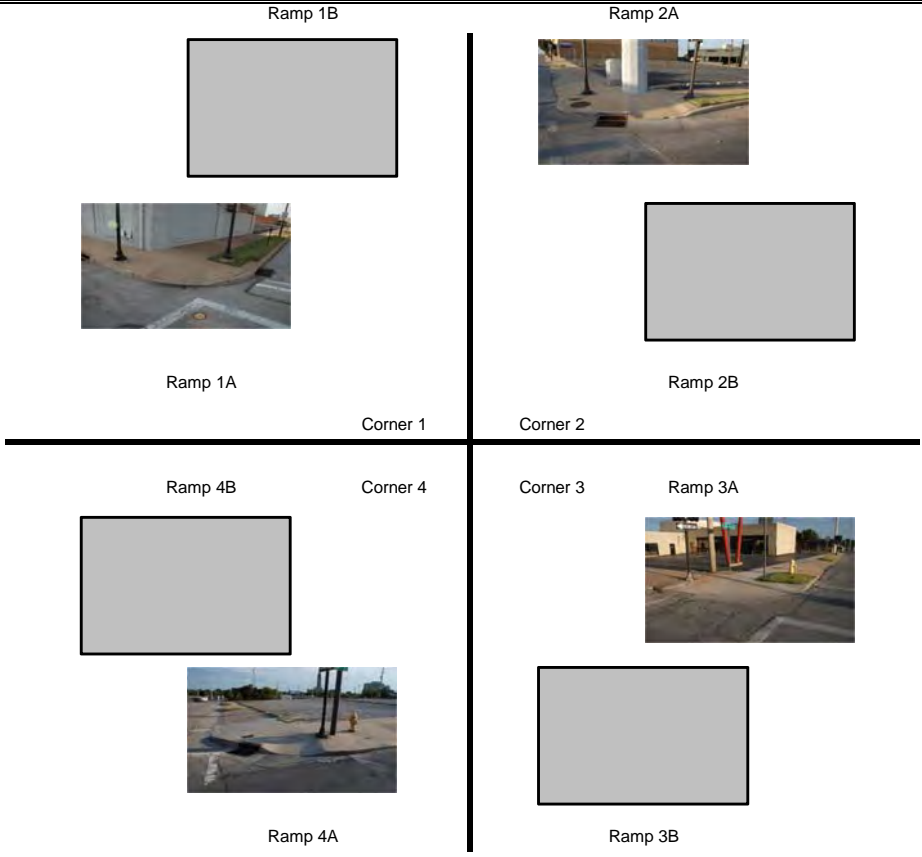
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 1st St and S Boulder Ave

GPS ID: 0010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

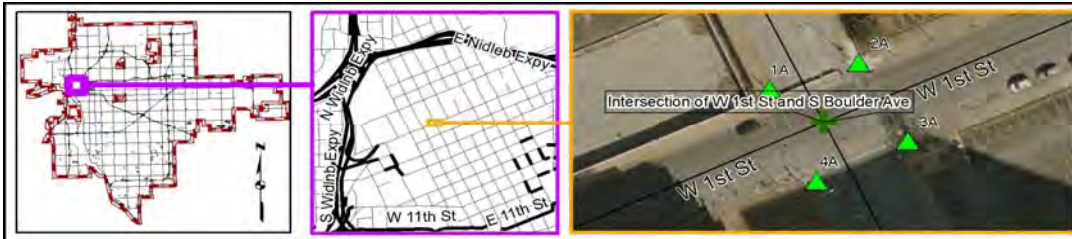
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,712.80
Engineering: (% +/-)	15%	\$ 2,694.51
Contingency: (% +/-)	20%	\$ 3,592.69
Estimated Project Cost:	\$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk	X				X		X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed			X		X		X		
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 1st St and S Cheyenne Ave

GPS ID: 0011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,798.40
Engineering: (% +/-)	15%	\$ 3,086.40
Contingency: (% +/-)	20%	\$ 4,115.20
Estimated Project Cost:	\$	27,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					Install handicap ramp
Ramp does not exist and is needed	X								
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp			X	X	X				Install colored truncated domes
No color contrast at base of ramp			X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X	X				Regrade roadway
Ramp transition onto roadway is greater than 0.25"						X			
Ponding occurs at base of ramp						X			
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 1st St and S Denver Ave

GPS ID: 0012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	1	EA	\$ 1,000.00	\$ 1,000.00
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,409.60
Engineering: (% +/-)	15%	\$ 1,967.31
Contingency: (% +/-)	20%	\$ 2,623.09
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X			X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X				X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 1st St and S Main St

GPS ID: 0013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,712.80
Engineering: (% +/-)	15%	\$ 2,694.51
Contingency: (% +/-)	20%	\$ 3,592.69
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

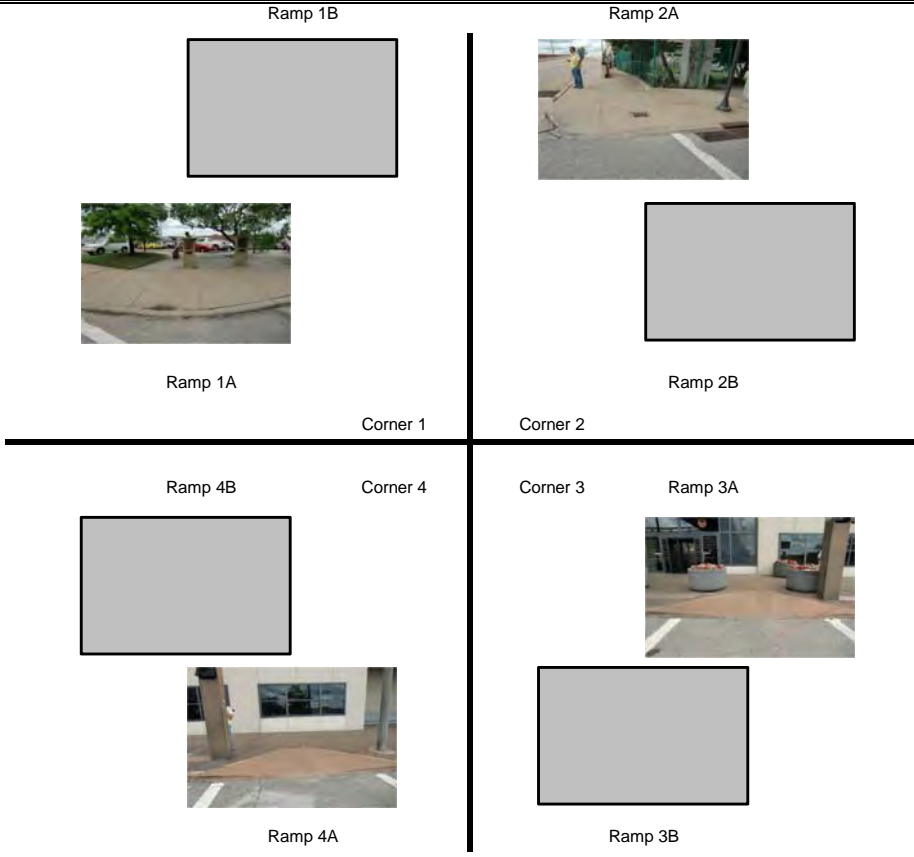
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X		X			X	
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area			X						Install colored truncated domes
No textured surface at base of ramp	X		X		X			X	
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X			X	Regrade roadway
Ponding occurs at base of ramp	X		X					X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 1st St and S Cincinnati Ave

GPS ID: 0014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,206.40
Engineering: (% +/-)	15%	\$ 1,197.26
Contingency: (% +/-)	20%	\$ 1,596.34
Estimated Project Cost:	\$	10,000.00

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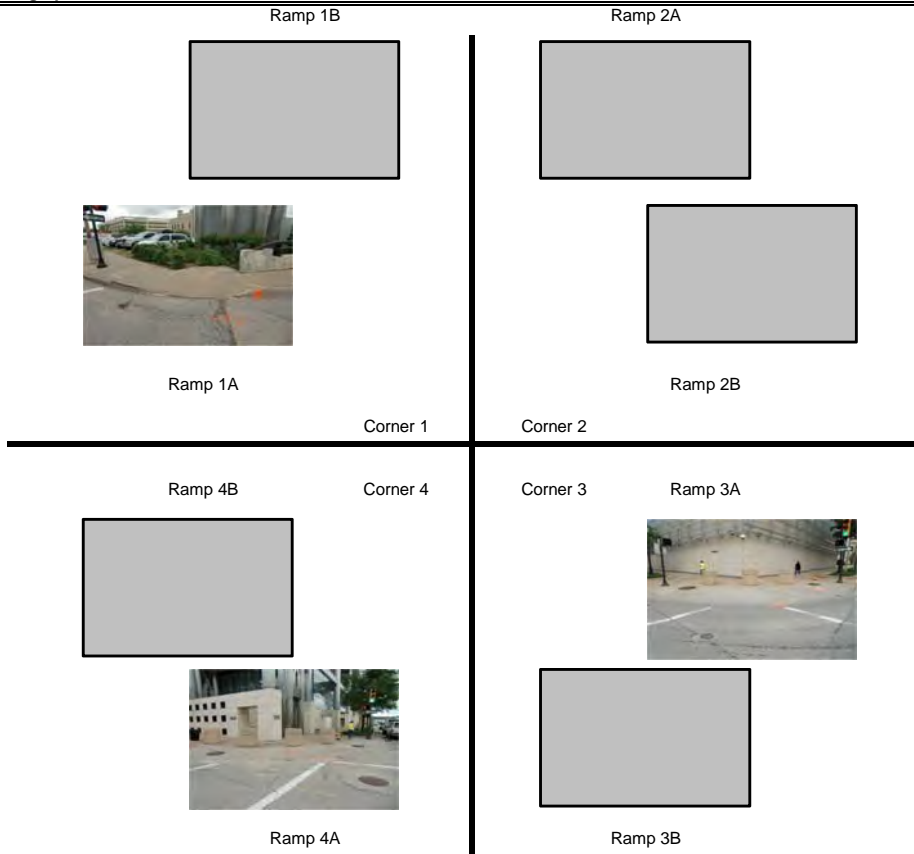
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X			X					
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp	X			X	X		X		Install colored truncated domes
No color contrast at base of ramp	X			X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H			H	M		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 1st St and S Detroit Ave

GPS ID: 0015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,016.00
Engineering: (% +/-)	15%	\$ 2,993.14
Contingency: (% +/-)	20%	\$ 3,990.86
Estimated Project Cost:	\$	25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X	X	X	X	
Ramp running slope is greater than 8.33%			X		X	X	X	X	
Ramp cross slope is greater than 2%			X		X	X	X	X	Remove and replace ramp
Ramp width is less than 36"			X		X	X	X	X	
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X		X		X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X	X	X	Regrade roadway
Ponding occurs at base of ramp	X				X	X	X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	M	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 1st St and S Elgin Ave

GPS ID: 0016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	88.88	SY	\$ 10.00	\$ 888.80
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	88.88	SY	\$ 80.00	\$ 7,110.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

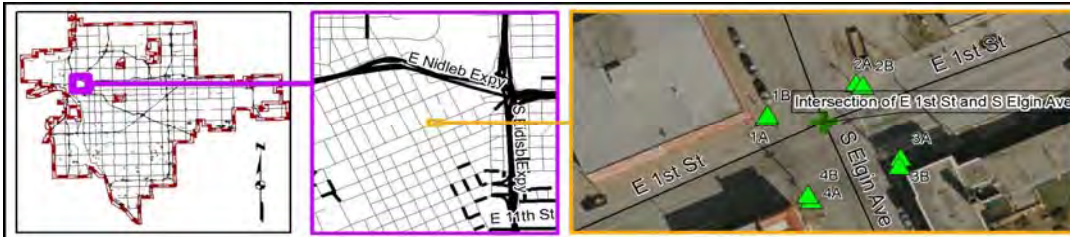
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,425.60
Engineering: (% +/-)	15%	\$ 4,103.31
Contingency: (% +/-)	20%	\$ 5,471.09
Estimated Project Cost:	\$	36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%						X		X	Remove and replace ramp
Ramp width is less than 36"						X			
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X			X	X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A

Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A

Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 1st St

GPS ID: 0017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	37.77	SY	\$ 10.00	\$ 377.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,548.00
Engineering: (% +/-)	15%	\$ 1,908.00
Contingency: (% +/-)	20%	\$ 2,544.00
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

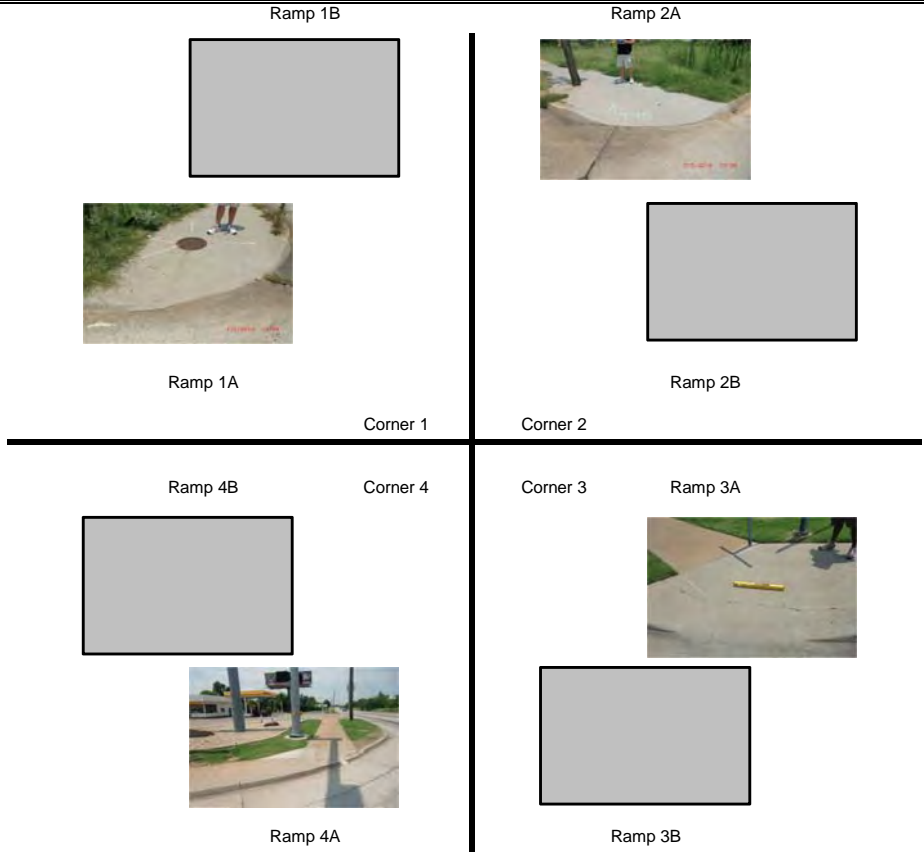
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 1st St and S Boston Ave

GPS ID: 0018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,212.80
Engineering: (% +/-)	15%	\$ 2,480.23
Contingency: (% +/-)	20%	\$ 3,306.97
Estimated Project Cost:	\$	21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Boulder Ave and E 10th St

GPS ID: 0019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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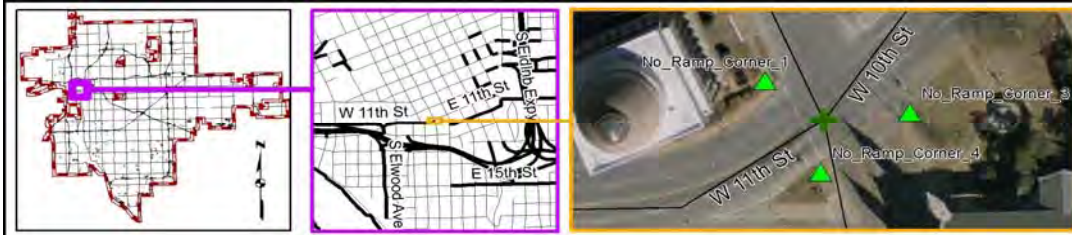
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,772.80
Engineering: (% +/-)	15%	\$ 2,240.23
Contingency: (% +/-)	20%	\$ 2,986.97
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 2nd St and S Detroit Ave

GPS ID: 0020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	38.91	SY	\$ 10.00	\$ 389.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	38.91	SY	\$ 80.00	\$ 3,112.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,605.20
Engineering: (% +/-)	15%	\$ 1,883.49
Contingency: (% +/-)	20%	\$ 2,511.31
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X	X	X						
No textured surface at base of ramp			X	X	X	X			Install colored truncated domes
No color contrast at base of ramp			X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X	X	X	X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	M	M	H	M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 2nd St and S Boulder Ave

GPS ID: 0021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,660.60
Engineering: (% +/-)	15%	\$ 1,859.74
Contingency: (% +/-)	20%	\$ 2,479.66
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%			X					X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 2nd St and S Cheyenne Ave

GPS ID: 0022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,212.80
Engineering: (% +/-)	15%	\$ 2,051.66
Contingency: (% +/-)	20%	\$ 2,735.54
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 2nd St and S Cincinnati Ave

GPS ID: 0023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,409.60
Engineering: (% +/-)	15%	\$ 1,538.74
Contingency: (% +/-)	20%	\$ 2,051.66
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	L		H	H	H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Denver Ave and W 2nd St

GPS ID: 0024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	34.44	SY	\$ 80.00	\$ 2,755.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,009.50
Engineering: (% +/-)	15%	\$ 1,710.21
Contingency: (% +/-)	20%	\$ 2,280.29
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

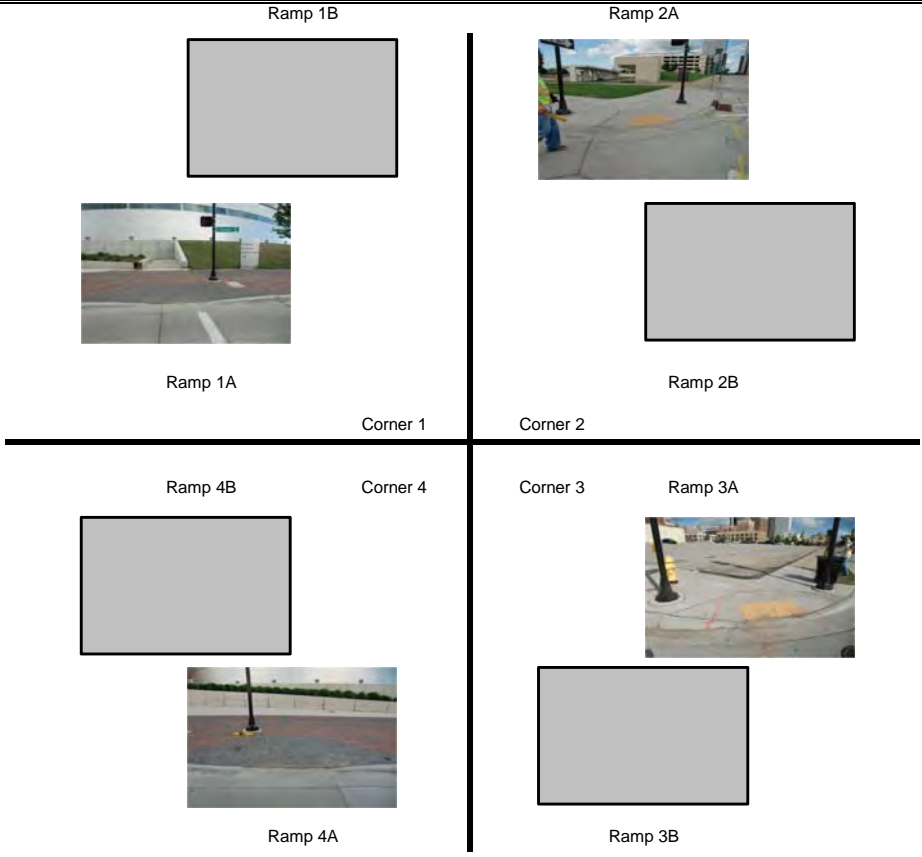
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X			X		
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 2nd St and S Elgin Ave

GPS ID: 0025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,712.80
Engineering: (% +/-)	15%	\$ 2,694.51
Contingency: (% +/-)	20%	\$ 3,592.69
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk										
No 48" extension into crosswalk					X					Remove and replace crosswalk pavement markings
Ramp does not exist and is needed										
Flare cross slope is greater than 10%			X	X	X			X		
Ramp running slope is greater than 8.33%			X	X				X		
Ramp cross slope is greater than 2%								X		Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area	X		X	X						
No textured surface at base of ramp			X	X	X					Install colored truncated domes
No color contrast at base of ramp			X	X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X						Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"					X			X		Regrade roadway
Ponding occurs at base of ramp			X	X					X	
Ramp not needed due to intersection geometry										
Ramp Priority:	H		H	H	H			H	L	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S New Haven Ave

GPS ID: 0026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.33	SY	\$ 10.00	\$ 133.30
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,197.00
Engineering: (% +/-)	15%	\$ 2,487.00
Contingency: (% +/-)	20%	\$ 3,316.00
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons			X						
Pedestrian pushbutton diameter is not 2"			X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X		X		X		
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry			X						
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Urbana Ave and E 31st St

GPS ID: 0027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,955.20
Engineering: (% +/-)	15%	\$ 2,590.63
Contingency: (% +/-)	20%	\$ 3,454.17
Estimated Project Cost:	\$	23,000.00

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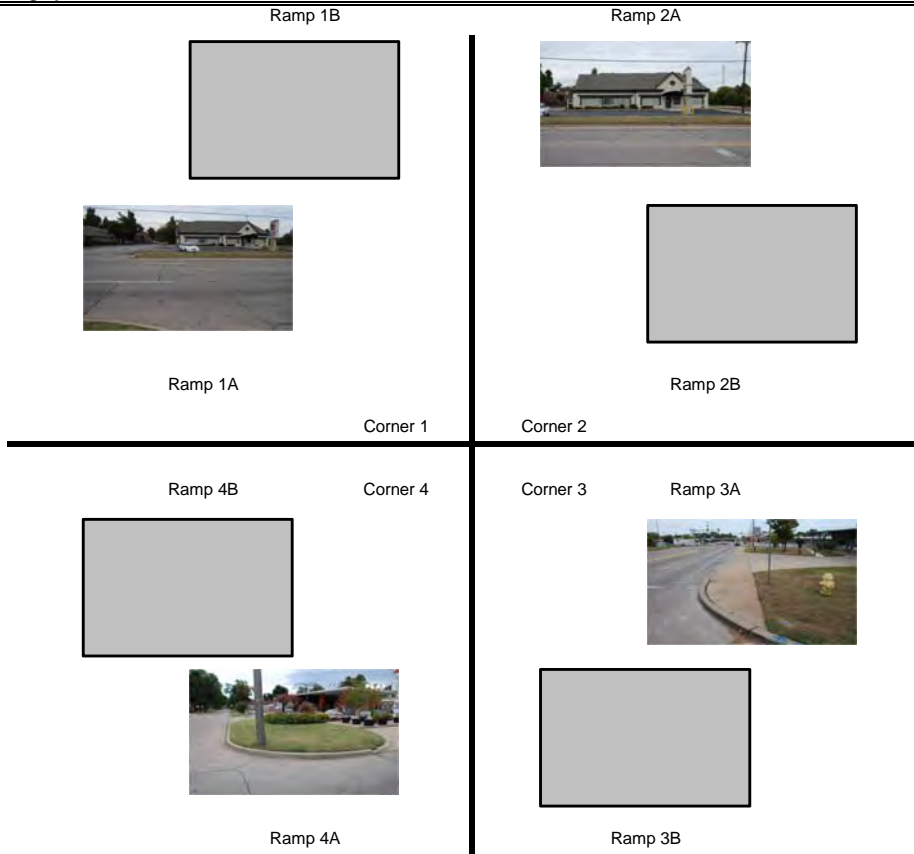
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N 31st St and SH 51WB Exit Ramp

GPS ID: 0028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	16,955.20
Engineering: (% +/-)	15%	\$	2,590.63
Contingency: (% +/-)	20%	\$	3,454.17
Estimated Project Cost:		\$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	-	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 3rd St and S Denver Ave

GPS ID: 0029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,660.60
Engineering: (% +/-)	15%	\$ 1,859.74
Contingency: (% +/-)	20%	\$ 2,479.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%				X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						Install landing area
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cheyenne Ave and W 3rd St

GPS ID: 0030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,803.20
Engineering: (% +/-)	15%	\$ 941.49
Contingency: (% +/-)	20%	\$ 1,255.31
Estimated Project Cost:	\$	6,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	C	C	L					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 3rd St and S Boulder Ave

GPS ID: 0031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,054.20
Engineering: (% +/-)	15%	\$ 1,262.49
Contingency: (% +/-)	20%	\$ 1,683.31
Estimated Project Cost:	\$	9,000.00

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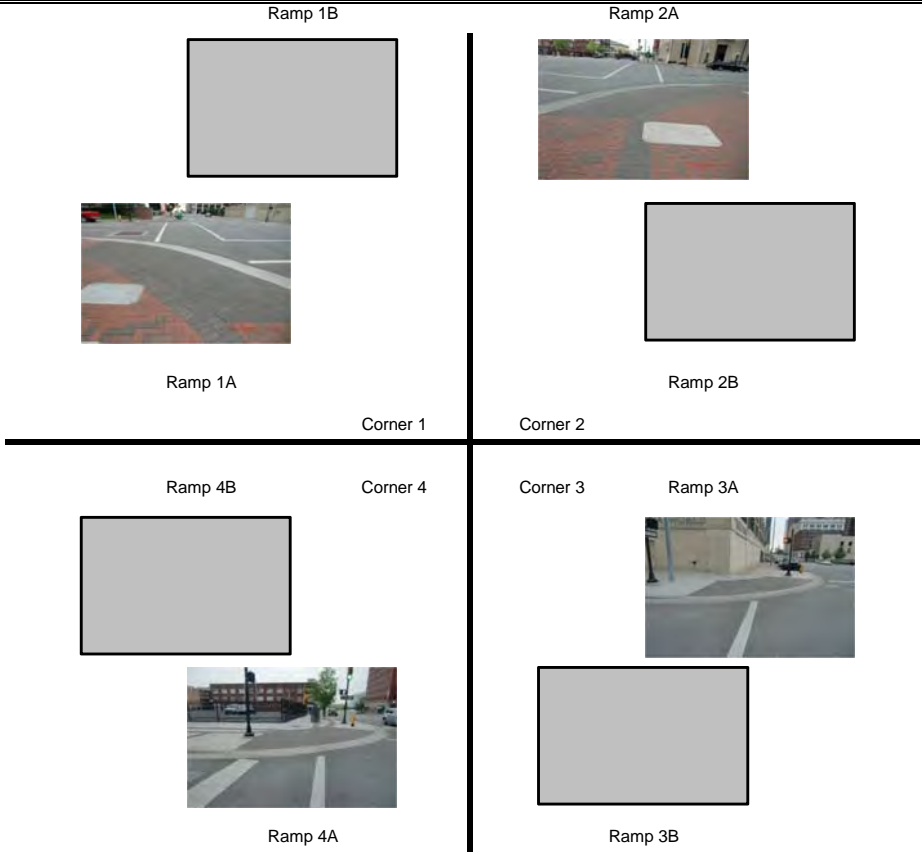
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	L		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 3rd St and S Main St

GPS ID: 0032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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20					
21					
22					

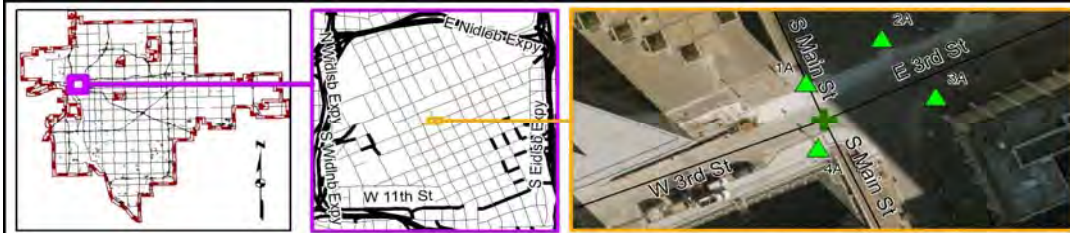
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,000.00
Engineering: (% +/-)	15%	\$ 857.14
Contingency: (% +/-)	20%	\$ 1,142.86
Estimated Project Cost:	\$	5,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

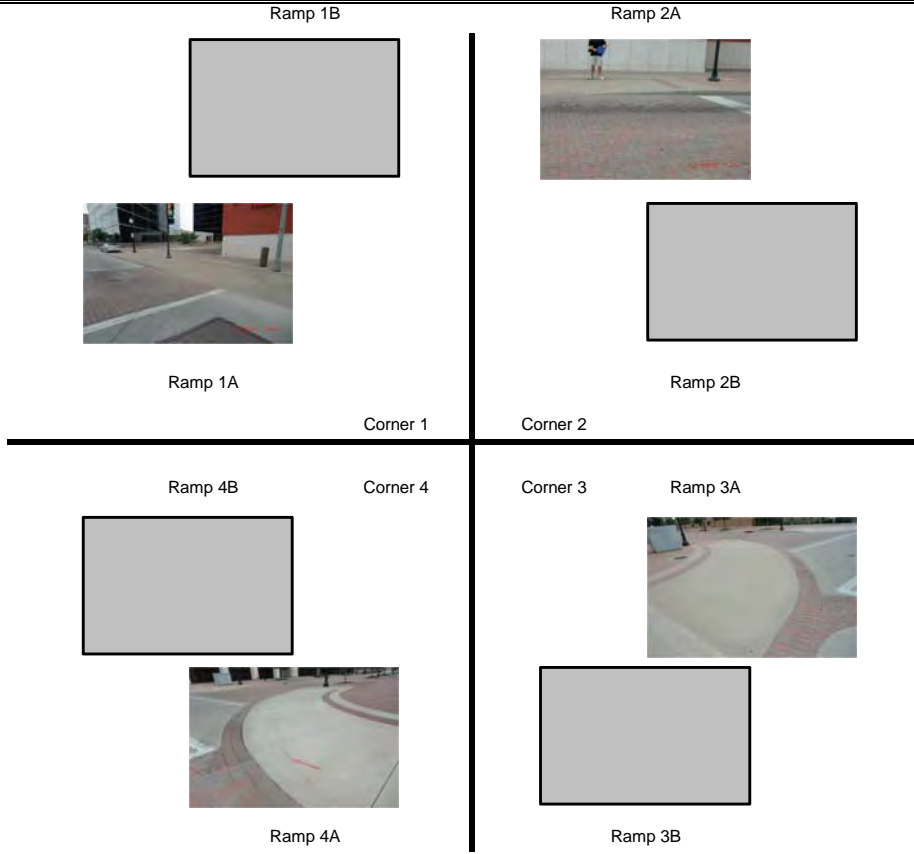
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed								X	Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				Install colored truncated domes
No textured surface at base of ramp	X				X		X		
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X				X		
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Boston Ave and E 3rd St

GPS ID: 0033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	2,803.20
Engineering: (% +/-)	15%	\$ 512.91
Contingency: (% +/-)	20%	\$ 683.89
Estimated Project Cost:	\$	4,000.00

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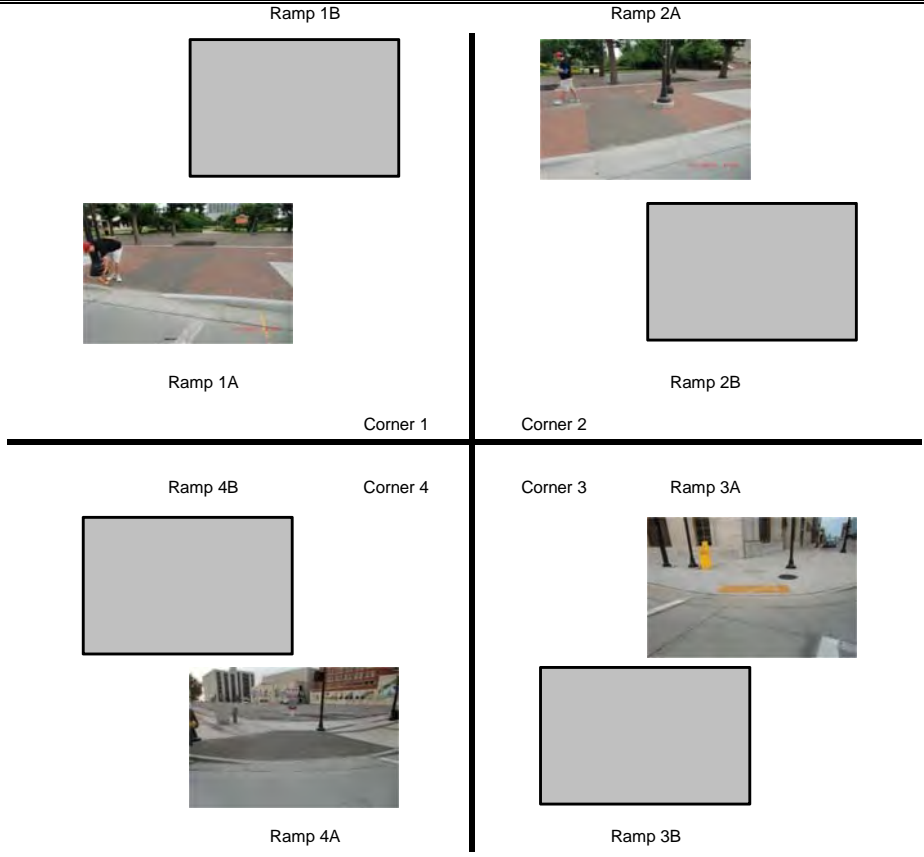
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%								X	
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area					X			X	
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	C	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cincinnati Ave and E 3rd St

GPS ID: 0034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	1,251.00
Engineering: (% +/-)	15%	\$ 321.00
Contingency: (% +/-)	20%	\$ 428.00
Estimated Project Cost:	\$	2,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	L		M		H			C	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Detroit Ave and E 3rd St

GPS ID: 0035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,502.00
Engineering: (% +/-)	15%	\$ 642.00
Contingency: (% +/-)	20%	\$ 856.00
Estimated Project Cost:	\$	5,000.00

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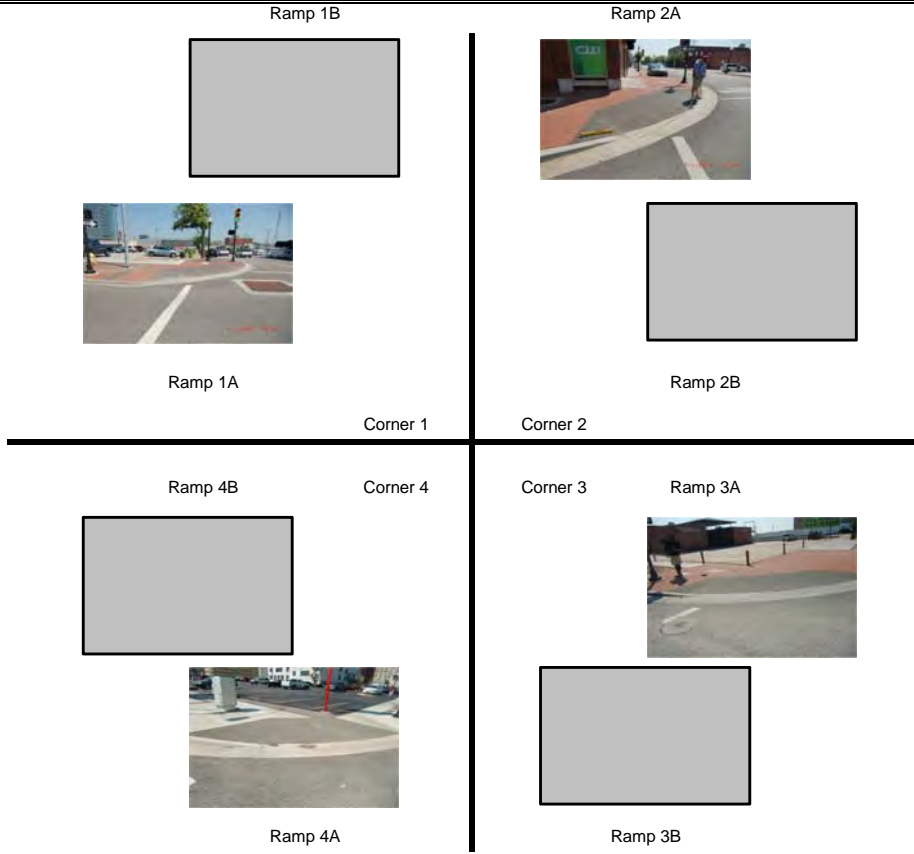
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Install landing area
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									Regrade roadway
Ramp Priority:	H		M		C		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 3rd St and S Elgin Ave

GPS ID: 0036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,212.80
Engineering: (% +/-)	15%	\$ 2,051.66
Contingency: (% +/-)	20%	\$ 2,735.54
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk				X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk						X		
Ramp does not exist and is needed				X				Remove and replace ramp
Flare cross slope is greater than 10%	X							
Ramp running slope is greater than 8.33%				X				
Ramp cross slope is greater than 2%						X		Install colored truncated domes
Ramp width is less than 36"							X	
Obstruction present in ramp or landing area	X		X					Install landing area
No textured surface at base of ramp							X	
No color contrast at base of ramp								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X		X		
No pedestrian push buttons								
Pedestrian pushbutton diameter is not 2"								
Pedestrian pushbutton height is greater than 42"								
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								
Ramp transition onto roadway is greater than 0.25"								
Ponding occurs at base of ramp								
Ramp not needed due to intersection geometry								
Ramp Priority:	H		H	M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 3rd St

GPS ID: 0037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	35,856.40
Engineering: (% +/-)	15%	\$ 5,632.97
Contingency: (% +/-)	20%	\$ 7,510.63
Estimated Project Cost:	\$	49,000.00

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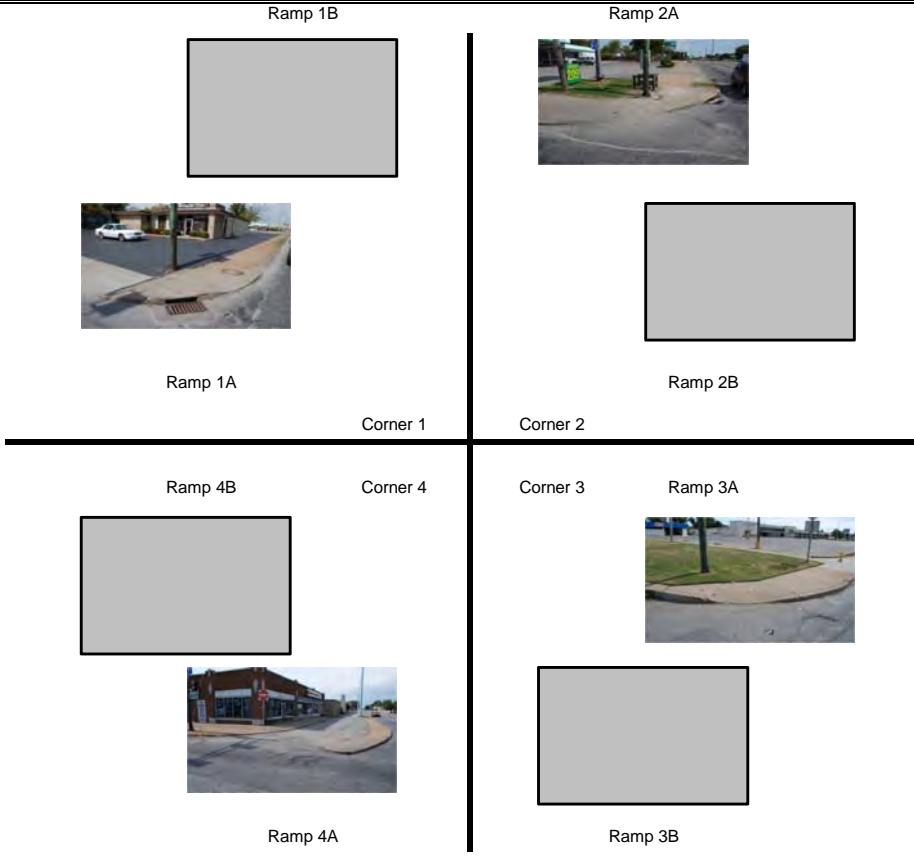
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of S Delaware Ave and E 3rd St

GPS ID: 0038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,612.40
Engineering: (% +/-)	15%	\$ 2,737.54
Contingency: (% +/-)	20%	\$ 3,650.06
Estimated Project Cost:	\$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 41st St

GPS ID: 0040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,675.90
Engineering: (% +/-)	15%	\$ 3,138.90
Contingency: (% +/-)	20%	\$ 4,185.20
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

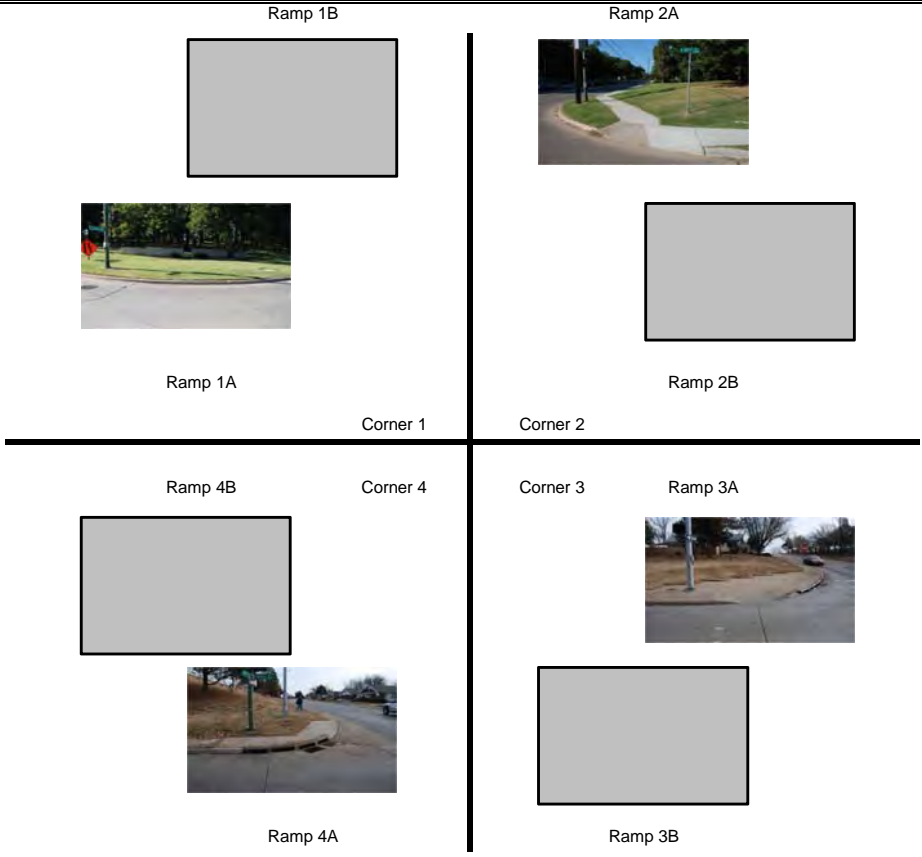
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									Install handicap ramp
Ramp does not exist and is needed	X								
Flare cross slope is greater than 10%			X	X	X	X			
Ramp running slope is greater than 8.33%			X	X	X	X			
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X	X			Install colored truncated domes
No color contrast at base of ramp			X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X	X	X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X	X	X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X					Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and Edison Prep School driveway

GPS ID: 0042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,237.20
Engineering: (% +/-)	15%	\$ 2,469.77
Contingency: (% +/-)	20%	\$ 3,293.03
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X								Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X				X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at E 41st St (west of S Marion Ave)

GPS ID: 0043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	23.33	SY	\$ 80.00	\$ 1,866.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,606.30
Engineering: (% +/-)	15%	\$ 1,025.87
Contingency: (% +/-)	20%	\$ 1,367.83
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

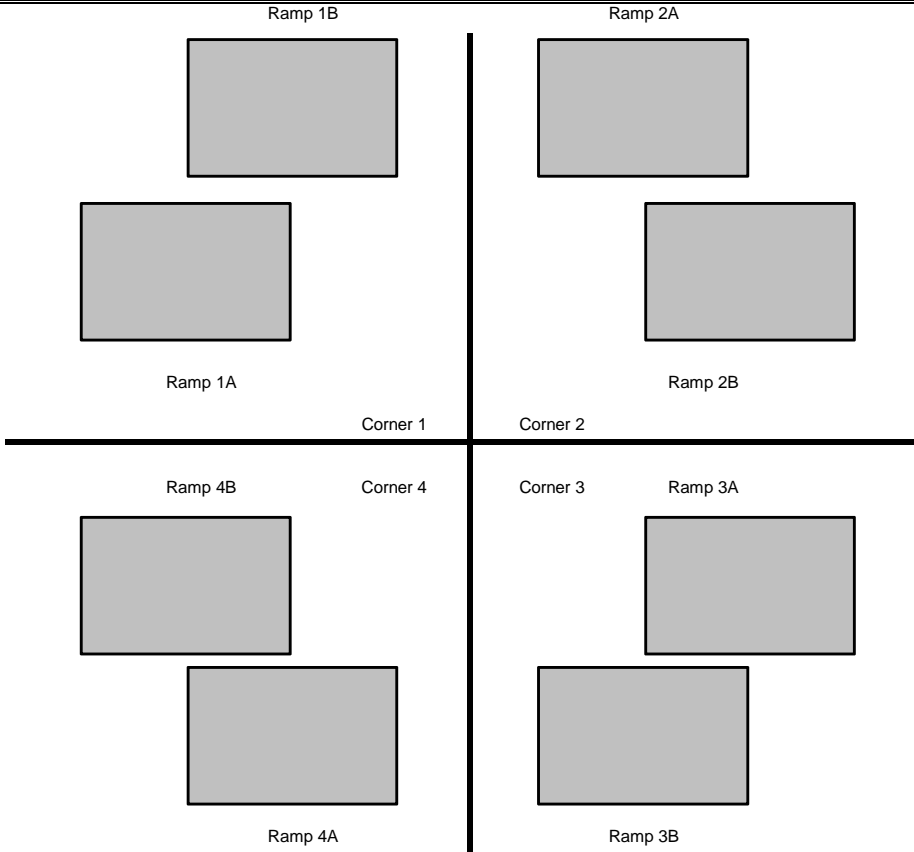
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 5%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X						X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at E 41st St (east of S Pittsburg Ave)

GPS ID: 0044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,056.40
Engineering: (% +/-)	15%	\$ 1,690.11
Contingency: (% +/-)	20%	\$ 2,253.49
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

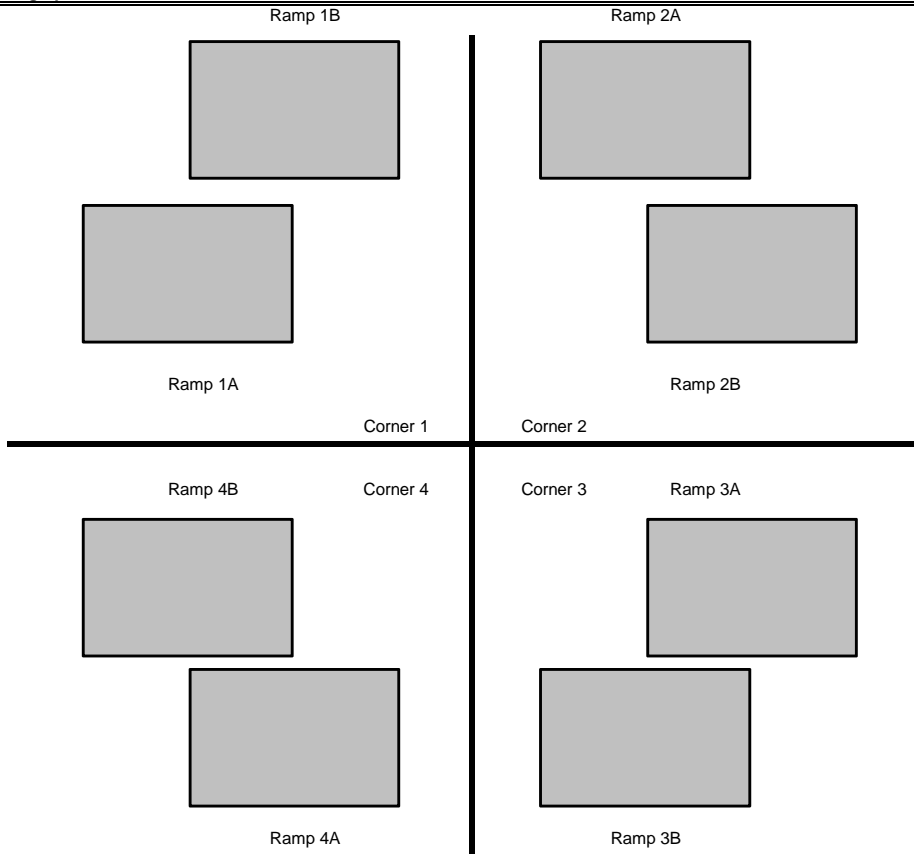
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 5%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Darlington Ave

GPS ID: 0045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.34	SY	\$ 10.00	\$ 483.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	49.45	SY	\$ 80.00	\$ 3,956.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,449.30
Engineering: (% +/-)	15%	\$ 3,236.01
Contingency: (% +/-)	20%	\$ 4,314.69
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

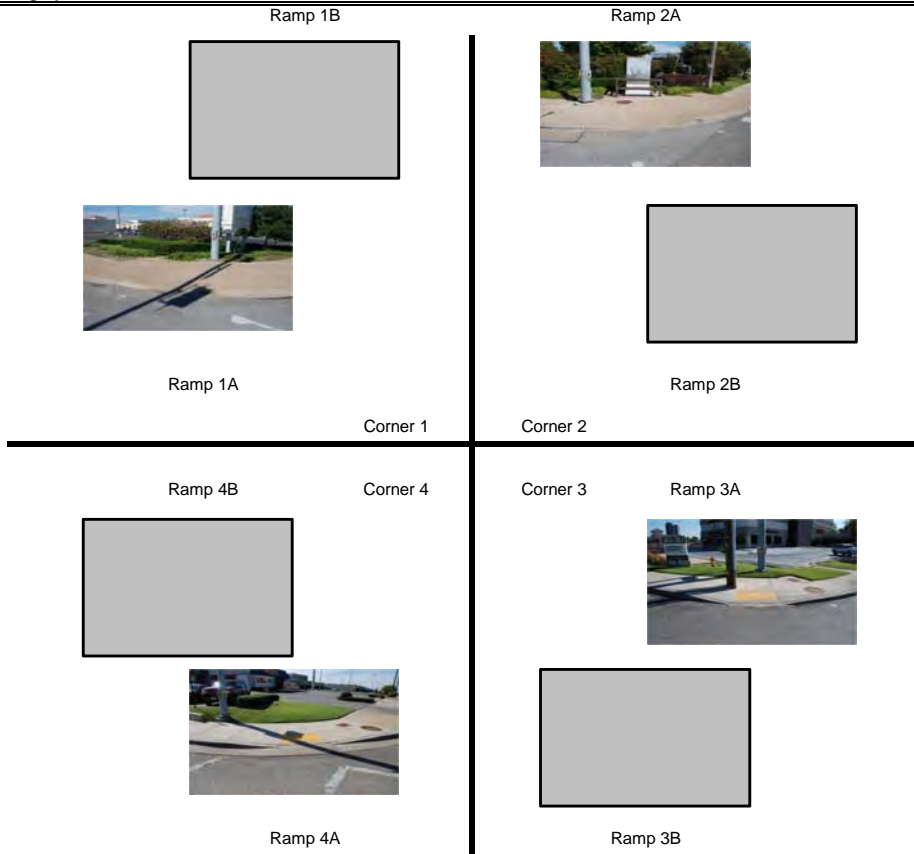
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S 74th E Ave

GPS ID: 0046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,208.40
Engineering: (% +/-)	15%	\$ 1,624.97
Contingency: (% +/-)	20%	\$ 2,166.63
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X				Install handicap ramp
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%								X	Remove and replace ramp
Ramp cross slope is greater than 2%								X	
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area								X	Install landing area
No textured surface at base of ramp								X	Install colored truncated domes
No color contrast at base of ramp								X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	Install landing area
No pedestrian push buttons								X	Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"								X	Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"								X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								X	
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X			X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"								X	
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry								X	
Ramp Priority:	H				H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 4th St and S Denver Ave

GPS ID: 0047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,212.80
Engineering: (% +/-)	15%	\$ 2,051.66
Contingency: (% +/-)	20%	\$ 2,735.54
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cheyenne Ave and W 4th St

GPS ID: 0048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

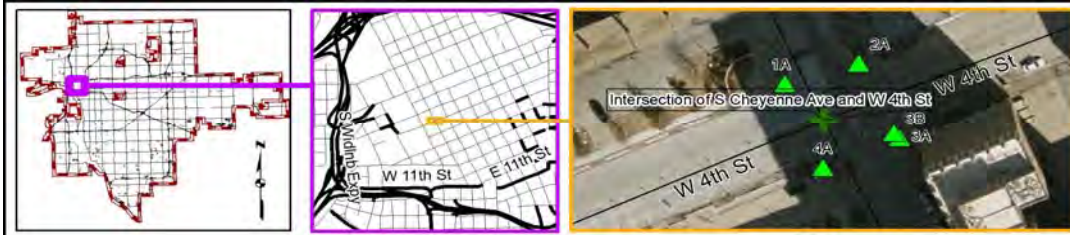
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,409.60
Engineering: (% +/-)	15%	\$ 1,967.31
Contingency: (% +/-)	20%	\$ 2,623.09
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X	X			
Ramp running slope is greater than 8.33%					X	X	X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X	X	X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		C		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of W 4th St and S Boulder Ave

GPS ID: 0049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,803.20
Engineering: (% +/-)	15%	\$ 941.49
Contingency: (% +/-)	20%	\$ 1,255.31
Estimated Project Cost:	\$	6,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		Install colored truncated domes
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	C	C	H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 4th St and S Main St

GPS ID: 0050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,206.40
Engineering: (% +/-)	15%	\$ 1,625.83
Contingency: (% +/-)	20%	\$ 2,167.77
Estimated Project Cost:	\$	12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 4th St and S Boston Ave

GPS ID: 0051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	2,251.00
Engineering: (% +/-)	15%	\$ 749.57
Contingency: (% +/-)	20%	\$ 999.43
Estimated Project Cost:	\$	4,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	C		H		H			C	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 4th St and S Cincinnati Ave

GPS ID: 0052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			Remove and replace ramp
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X					Install landing area
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	C		H	H			M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 4th St and S Detroit Ave

GPS ID: 0053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,409.60
Engineering: (% +/-)	15%	\$ 1,967.31
Contingency: (% +/-)	20%	\$ 2,623.09
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X		X		
Ramp running slope is greater than 8.33%	X		X				X		Remove and replace ramp
Ramp cross slope is greater than 2%			X				X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to intersection geometry									
Ramp Priority:	L		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 4th St and S Elgin Ave

GPS ID: 0054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,819.20
Engineering: (% +/-)	15%	\$ 3,506.06
Contingency: (% +/-)	20%	\$ 4,674.74
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X			X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X	X	X	X		X	X	X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X		X		X	X		Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Denver Ave and W 5th St

GPS ID: 0055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,212.80
Engineering: (% +/-)	15%	\$ 2,051.66
Contingency: (% +/-)	20%	\$ 2,735.54
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X	X	X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cheyenne Ave and W 5th St

GPS ID: 0056

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,212.80
Engineering: (% +/-)	15%	\$ 2,908.80
Contingency: (% +/-)	20%	\$ 3,878.40
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

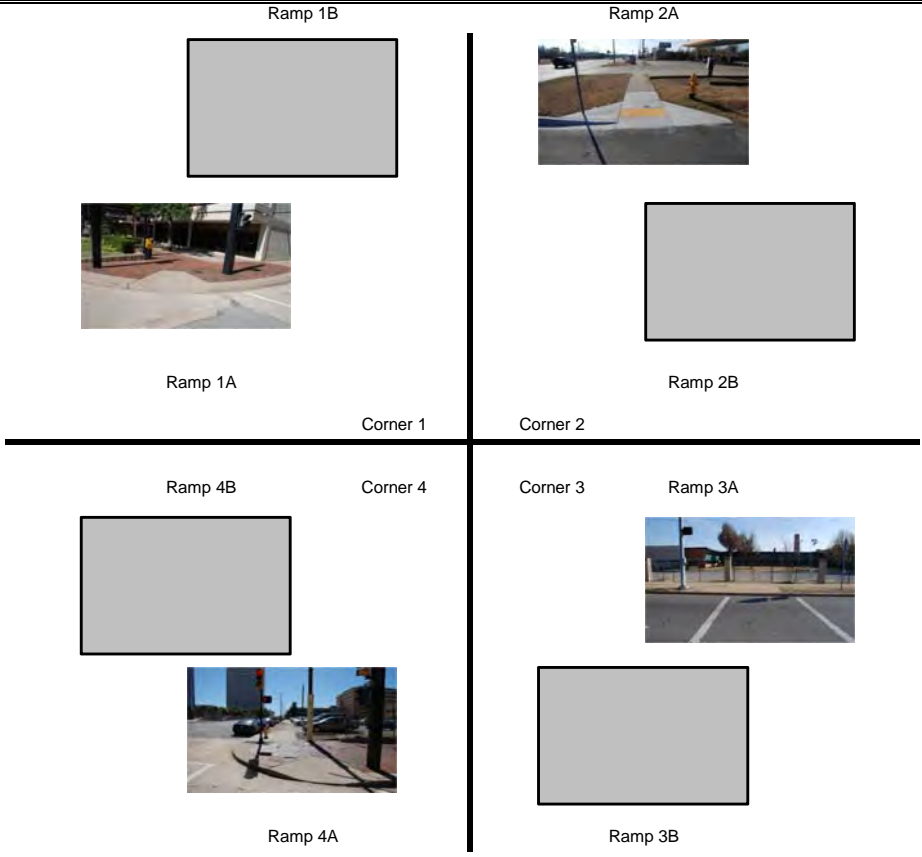
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 5th St and S Boulder Ave

GPS ID: 0057

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,212.80
Engineering: (% +/-)	15%	\$ 2,480.23
Contingency: (% +/-)	20%	\$ 3,306.97
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X	X			
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Boston Ave and E 5th St

GPS ID: 0058

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

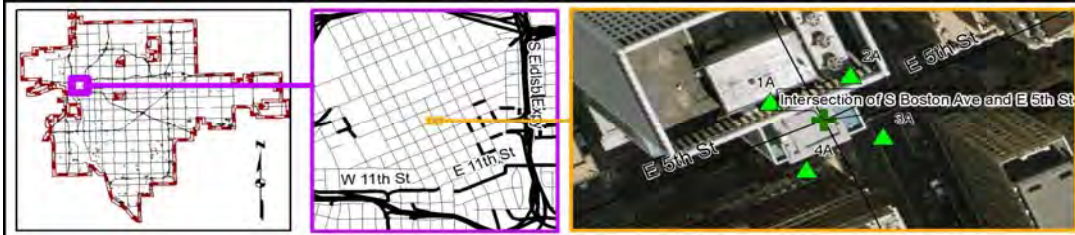
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,000.00
Engineering: (% +/-)	15%	\$ 857.14
Contingency: (% +/-)	20%	\$ 1,142.86
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

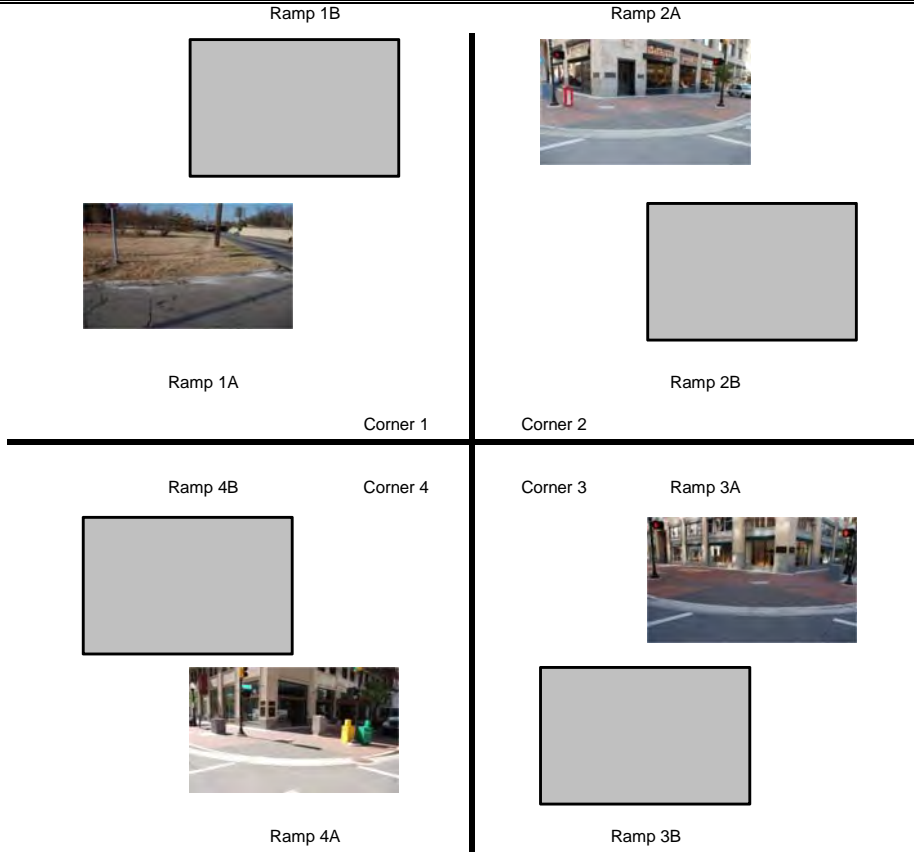
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	L		L		L		L		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 5th St and S Cincinnati Ave

GPS ID: 0059

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,212.80
Engineering: (% +/-)	15%	\$ 2,480.23
Contingency: (% +/-)	20%	\$ 3,306.97
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X		X		X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Detroit Ave and E 5th St

GPS ID: 0060

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,712.80
Engineering: (% +/-)	15%	\$ 2,265.94
Contingency: (% +/-)	20%	\$ 3,021.26
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

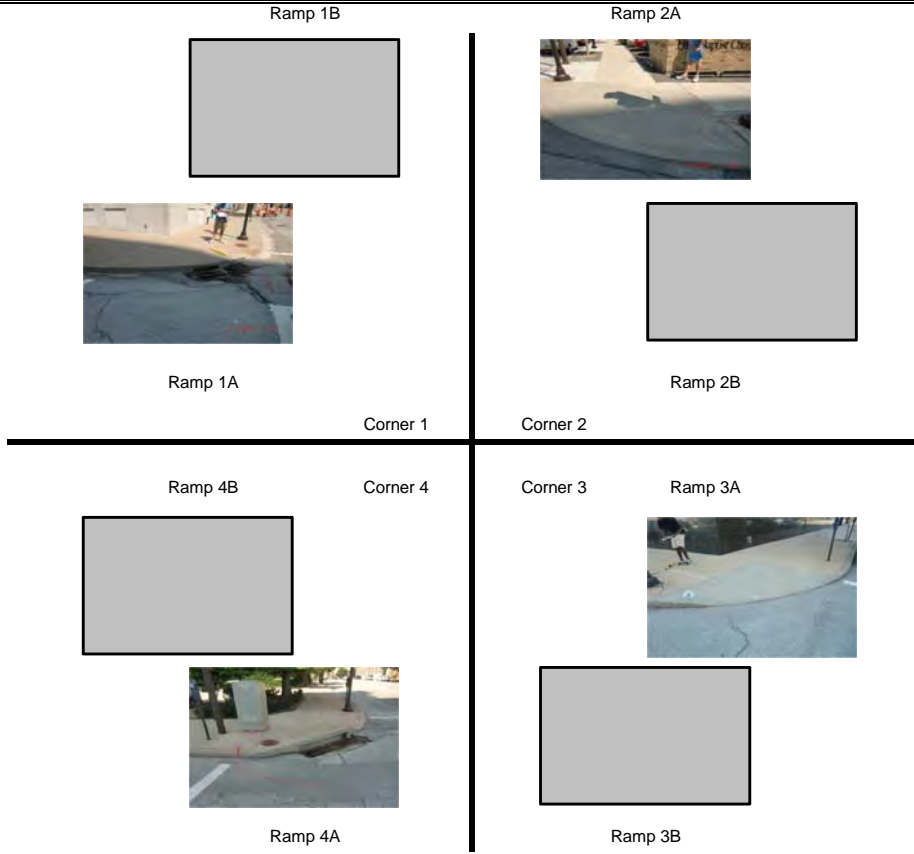
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk										
No 48" extension into crosswalk			X							Remove and replace crosswalk pavement markings
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X		X		X		X			
Ramp running slope is greater than 8.33%	X						X			
Ramp cross slope is greater than 2%	X		X				X			Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area					X		X			
No textured surface at base of ramp	X		X		X		X			Install colored truncated domes
No color contrast at base of ramp	X		X		X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X			Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"	X									Regrade roadway
Ponding occurs at base of ramp	X						X			
Ramp not needed due to intersection geometry										
Ramp Priority:	H		H		H		H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 5th St and S Elgin Ave

GPS ID: 0061

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	88.88	SY	\$ 10.00	\$ 888.80
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	88.88	SY	\$ 80.00	\$ 7,110.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,425.60
Engineering: (% +/-)	15%	\$ 4,103.31
Contingency: (% +/-)	20%	\$ 5,471.09
Estimated Project Cost:	\$	35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X						X	X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X						X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 6th St and S Denver Ave

GPS ID: 0062

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,819.20
Engineering: (% +/-)	15%	\$ 3,077.49
Contingency: (% +/-)	20%	\$ 4,103.31
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X		X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"					X	X	X	X	
Obstruction present in ramp or landing area			X		X	X	X	X	
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cheyenne Ave and W 6th St

GPS ID: 0063

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,712.80
Engineering: (% +/-)	15%	\$ 2,694.51
Contingency: (% +/-)	20%	\$ 3,592.69
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X	X	
Ramp running slope is greater than 8.33%			X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"			X	X	X	X	X	X	
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X				X	X	X	X	Regrade roadway
Ponding occurs at base of ramp	X				X	X	X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Boulder Ave and W 6th St

GPS ID: 0064

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,016.00
Engineering: (% +/-)	15%	\$ 2,564.57
Contingency: (% +/-)	20%	\$ 3,419.43
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X			X	X		Remove and replace ramp
Ramp running slope is greater than 8.33%			X			X	X		
Ramp cross slope is greater than 2%	X					X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X	X	X		
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 6th St and S Main St

GPS ID: 0065

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	1,600.00
Engineering: (% +/-)	15%	\$ 600.00
Contingency: (% +/-)	20%	\$ 800.00
Estimated Project Cost:	\$	3,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

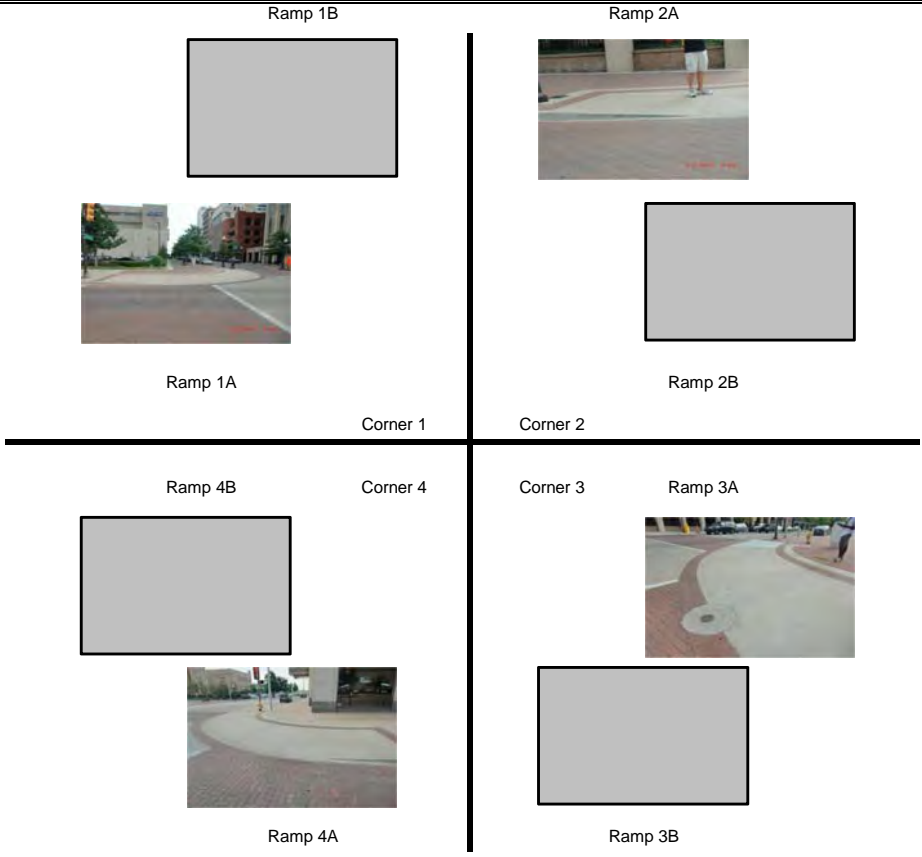
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 6th St and S Boston Ave

GPS ID: 0066

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
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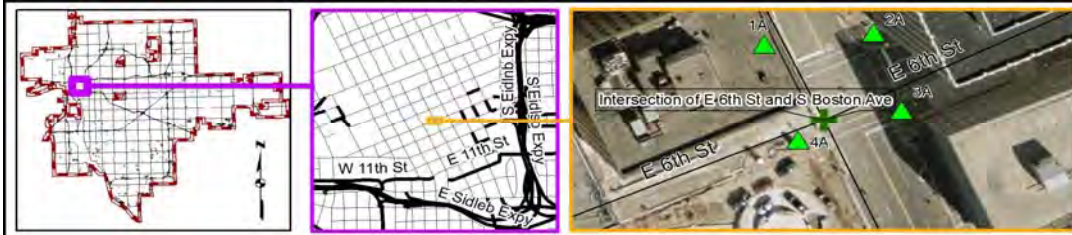
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	1,251.00
Engineering: (% +/-)	15%	\$ 321.00
Contingency: (% +/-)	20%	\$ 428.00
Estimated Project Cost:	\$	2,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				
Ramp does not exist and is needed								X	Remove and replace ramp
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Install landing area
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	L		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cincinnati Ave and E 6th St

GPS ID: 0067

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,819.20
Engineering: (% +/-)	15%	\$ 3,506.06
Contingency: (% +/-)	20%	\$ 4,674.74
Estimated Project Cost:	\$	30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X	X			X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X			X	
Ramp running slope is greater than 8.33%	X	X	X	X	X			X	
Ramp cross slope is greater than 2%			X	X	X			X	
Ramp width is less than 36"	X								
Obstruction present in ramp or landing area					X			X	
No textured surface at base of ramp	X	X			X			X	Install colored truncated domes
No color contrast at base of ramp	X	X			X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X				X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X			X			X	Regrade roadway
Ponding occurs at base of ramp		X			X			X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of E 6th St and S Detroit Ave

GPS ID: 0068

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,516.00
Engineering: (% +/-)	15%	\$ 2,778.86
Contingency: (% +/-)	20%	\$ 3,705.14
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X				X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 6th St

GPS ID: 0069

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.66	SY	\$ 10.00	\$ 366.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,972.90
Engineering: (% +/-)	15%	\$ 2,583.04
Contingency: (% +/-)	20%	\$ 3,444.06
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

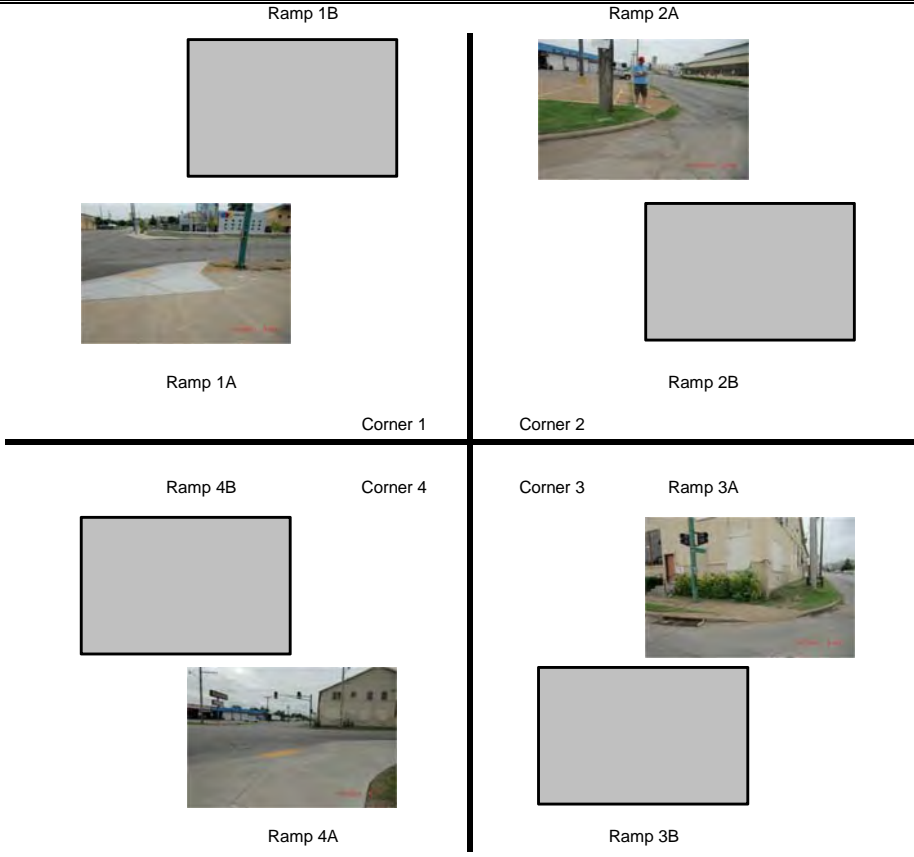
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X						Install handicap ramp
Ramp does not exist and is needed					X	X	X		
Flare cross slope is greater than 10%	X				X	X	X		
Ramp running slope is greater than 8.33%	X				X	X	X		Remove and replace ramp
Ramp cross slope is greater than 2%	X				X	X	X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X			X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Elgin Ave and E 6th St

GPS ID: 0070

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,319.30
Engineering: (% +/-)	15%	\$ 2,863.16
Contingency: (% +/-)	20%	\$ 3,817.54
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				
Ramp does not exist and is needed					X			X	
Flare cross slope is greater than 10%	X	X	X		X				
Ramp running slope is greater than 8.33%	X	X	X		X			X	
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X	X						X	
No textured surface at base of ramp	X	X	X		X			X	Install colored truncated domes
No color contrast at base of ramp	X	X	X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X						X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry								X	Remove ramp
Ramp Priority:	H	H	H		H			H	H

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 6th St

GPS ID: 0071

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,312.50
Engineering: (% +/-)	15%	\$ 2,866.07
Contingency: (% +/-)	20%	\$ 3,821.43
Estimated Project Cost:	\$	23,000.00

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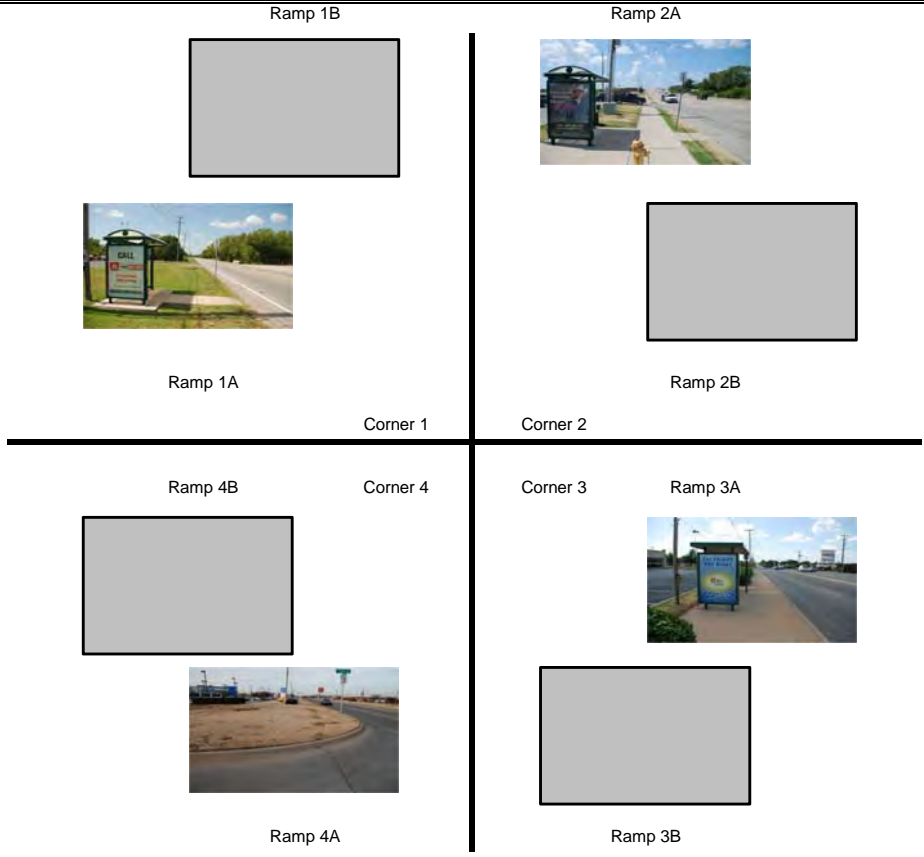
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X				
Ramp running slope is greater than 8.33%	X		X	X	X				
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X	X	X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X	X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X	X	X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X	X	X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 6th St (south)

GPS ID: 0072

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	37.77	SY	\$ 10.00	\$ 377.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,898.00
Engineering: (% +/-)	15%	\$ 2,615.14
Contingency: (% +/-)	20%	\$ 3,486.86
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X						Install handicap ramp
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X							X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X				
No textured surface at base of ramp	X				X			X	
No color contrast at base of ramp	X				X			X	Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X			X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X			X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X			X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp	X				X			X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Ave and E 6th St

GPS ID: 0073

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,412.60
Engineering: (% +/-)	15%	\$ 2,394.60
Contingency: (% +/-)	20%	\$ 3,192.80
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	-	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X	X	X	X			
Ramp running slope is greater than 8.33%	X		X	X	X	X			
Ramp cross slope is greater than 2% Ramp width is less than 36"			X			X			
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist No pedestrian push buttons					X				Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42" Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X	X			Relocate pedestrian push button
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist Ramp transition onto roadway is greater than 0.25"					X	X			Install clear floor space
Ponding occurs at base of ramp Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and Riverside Pkwy

GPS ID: 0074

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1.11	SY	\$ 10.00	\$ 11.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	23.33	SY	\$ 80.00	\$ 1,866.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,077.50
Engineering: (% +/-)	15%	\$ 2,109.64
Contingency: (% +/-)	20%	\$ 2,812.86
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Trenton Ave

GPS ID: 0075

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	59.99	SY	\$ 10.00	\$ 599.90
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	59.99	SY	\$ 80.00	\$ 4,799.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	10	EA	\$ 100.00	\$ 1,000.00
9	PEDESTRIAN PUSH BUTTON	10	EA	\$ 350.00	\$ 3,500.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,915.60
Engineering: (% +/-)	15%	\$ 3,893.31
Contingency: (% +/-)	20%	\$ 5,191.09
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X	X	X				
Ramp running slope is greater than 8.33%	X		X	X	X			X	
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X	X				Install landing area
No color contrast at base of ramp	X		X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X			X	Remove and replace pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X	X			X	Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X	X	X			X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X				X	
Ramp transition onto roadway is greater than 0.25"	X				X				Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H			M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Wheeling Ave and E 71st St

GPS ID: 0076

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,812.40
Engineering: (% +/-)	15%	\$ 3,508.97
Contingency: (% +/-)	20%	\$ 4,678.63
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 71 St

GPS ID: 0077

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

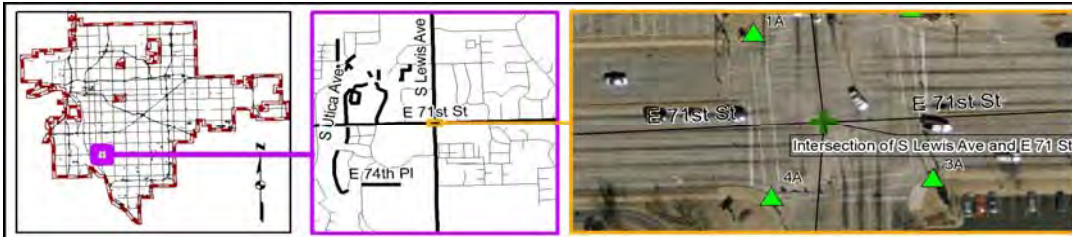
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,212.60
Engineering: (% +/-)	15%	\$ 2,908.89
Contingency: (% +/-)	20%	\$ 3,878.51
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"			X		X				
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Evanston Ave and E 71st St

GPS ID: 0078

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,912.70
Engineering: (% +/-)	15%	\$ 3,465.99
Contingency: (% +/-)	20%	\$ 4,621.31
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

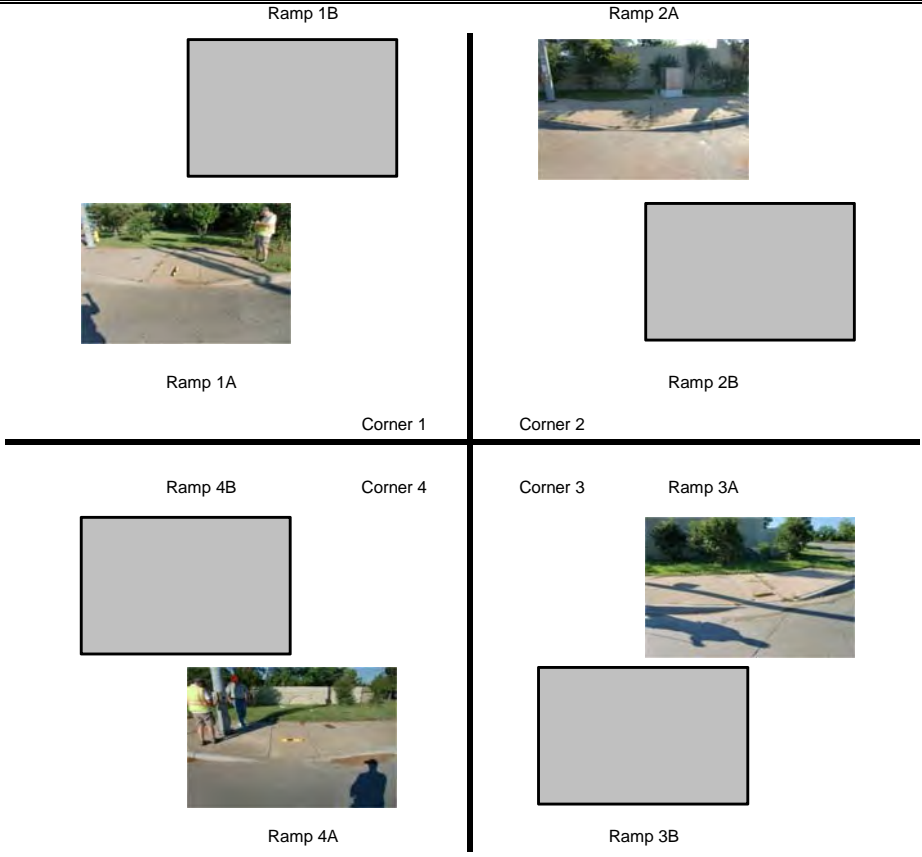
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Harvard Ave

GPS ID: 0079

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,812.80
Engineering: (% +/-)	15%	\$ 3,937.37
Contingency: (% +/-)	20%	\$ 5,249.83
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%	X		X					X	
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X			X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X			X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Pittsburg Ave

GPS ID: 0080

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,201.30
Engineering: (% +/-)	15%	\$ 2,485.16
Contingency: (% +/-)	20%	\$ 3,313.54
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

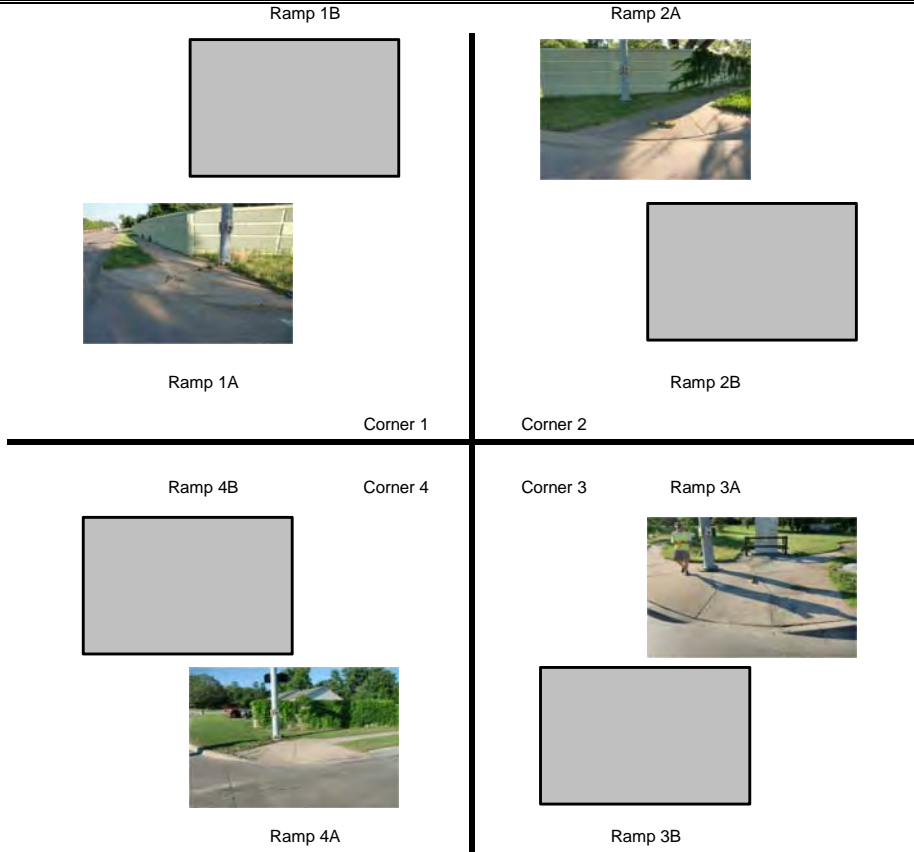
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 71st St

GPS ID: 0081

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

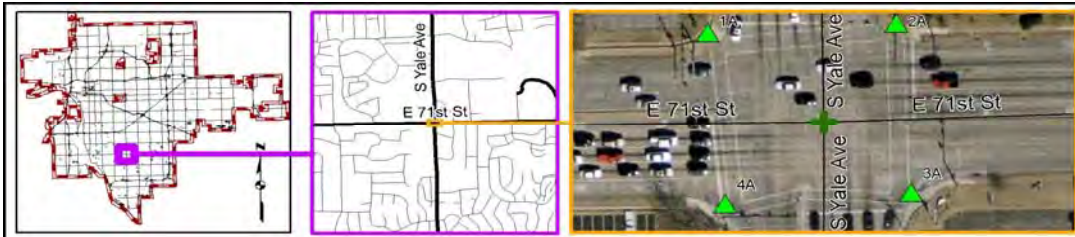
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,312.50
Engineering: (% +/-)	15%	\$ 3,294.64
Contingency: (% +/-)	20%	\$ 4,392.86
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

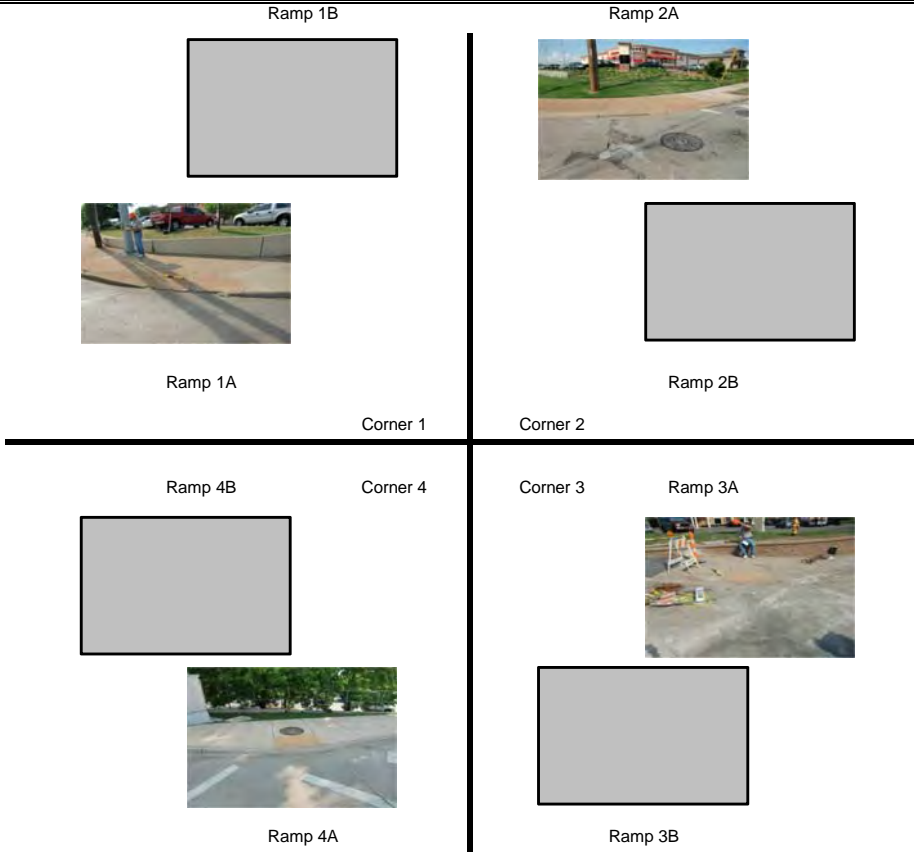
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk				X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk				X		X		
Ramp does not exist and is needed			X	X				Remove and replace ramp
Flare cross slope is greater than 10%			X	X				
Ramp running slope is greater than 8.33%	X		X	X				
Ramp cross slope is greater than 2%				X				Remove and replace ramp
Ramp width is less than 36"				X				
Obstruction present in ramp or landing area								Install colored truncated domes
No textured surface at base of ramp	X		X					
No color contrast at base of ramp	X		X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X		X		Install landing area
No pedestrian push buttons								Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X					
Pedestrian pushbutton height is greater than 42"	X		X	X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X		X		
Ramp transition onto roadway is greater than 0.25"	X		X					
Ponding occurs at base of ramp								Ramp Priority:
Ramp not needed due to intersection geometry								
	H		H	H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Canton Ave (north)

GPS ID: 0082

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	59.99	SY	\$ 80.00	\$ 4,799.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,851.20
Engineering: (% +/-)	15%	\$ 3,492.34
Contingency: (% +/-)	20%	\$ 4,656.46
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X		X	X					
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X	X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X				X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of E 71st St and S Irvington Ave

GPS ID: 0083

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.34	SY	\$ 10.00	\$ 483.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	50.56	SY	\$ 80.00	\$ 4,044.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,838.10
Engineering: (% +/-)	15%	\$ 2,640.81
Contingency: (% +/-)	20%	\$ 3,521.09
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X	X	X	X	X	X	X	X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install landing area
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	M	M	M	M	M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Granite Ave

GPS ID: 0084

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,712.50
Engineering: (% +/-)	15%	\$ 3,123.21
Contingency: (% +/-)	20%	\$ 4,164.29
Estimated Project Cost:	\$	27,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X				X		
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 71st St

GPS ID: 0085

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,612.70
Engineering: (% +/-)	15%	\$ 3,165.99
Contingency: (% +/-)	20%	\$ 4,221.31
Estimated Project Cost:	\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X						X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X				X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 73rd East Ave and E 71st St

GPS ID: 0086

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,312.40
Engineering: (% +/-)	15%	\$ 3,294.69
Contingency: (% +/-)	20%	\$ 4,392.91
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

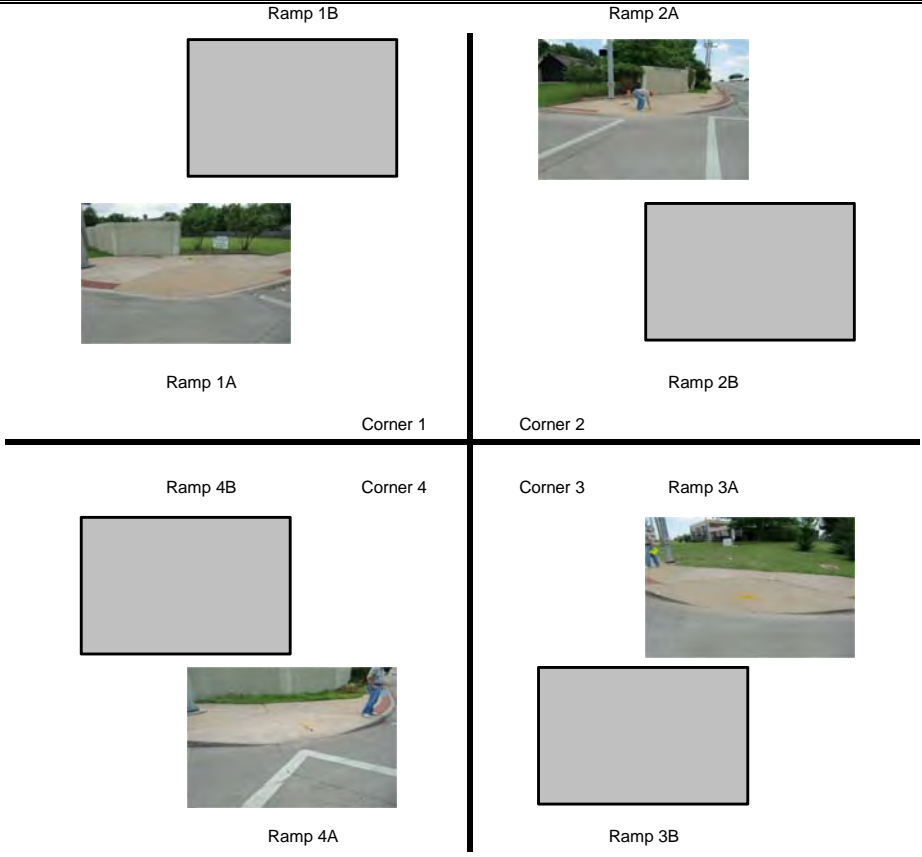
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk								X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk								X	
Ramp does not exist and is needed								X	Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X	X	
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X				X		X	X	
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X	X	Install colored truncated domes
No color contrast at base of ramp	X		X		X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X		X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X	X	
Ramp transition onto roadway is greater than 0.25"									Install clear floor space
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									Install clear floor space
Ramp Priority:	H		H		H		H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 71st St

GPS ID: 0087

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	61.67	SY	\$ 10.00	\$ 616.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	61.67	SY	\$ 80.00	\$ 4,933.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

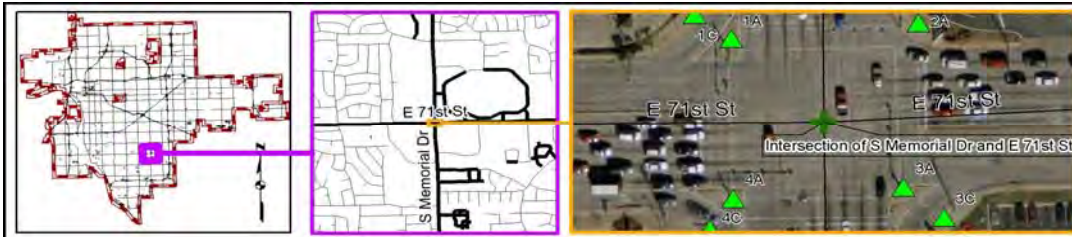
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,163.50
Engineering: (% +/-)	15%	\$ 3,358.50
Contingency: (% +/-)	20%	\$ 4,478.00
Estimated Project Cost:	\$	28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1C	2A	2B	3A	3C	4A	4C	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%		X				X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp	X	X	X		X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X		X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X			X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	H		H	H	H	M	

Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B Corner 4



Corner 3

Ramp 3A



Ramp 3C



Ramp 4C



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Denver Ave and W 7th St

GPS ID: 0089

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,819.20
Engineering: (% +/-)	15%	\$ 3,077.49
Contingency: (% +/-)	20%	\$ 4,103.31
Estimated Project Cost:	\$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

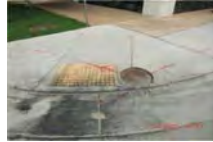
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X	X			
Ramp running slope is greater than 8.33%	X		X	X	X	X			
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X	X			
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H	H	M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 7th St and S Cheyenne Ave

GPS ID: 0090

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,016.00
Engineering: (% +/-)	15%	\$ 2,993.14
Contingency: (% +/-)	20%	\$ 3,990.86
Estimated Project Cost:	\$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X			X		X	
Ramp running slope is greater than 8.33%	X	X	X			X		X	
Ramp cross slope is greater than 2%	X	X	X			X		X	
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X			X	
No textured surface at base of ramp	X	X	X					X	Install landing area
No color contrast at base of ramp	X	X	X					X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X					X	Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X					X	
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 7th St and S Boulder Ave

GPS ID: 0091

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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22					

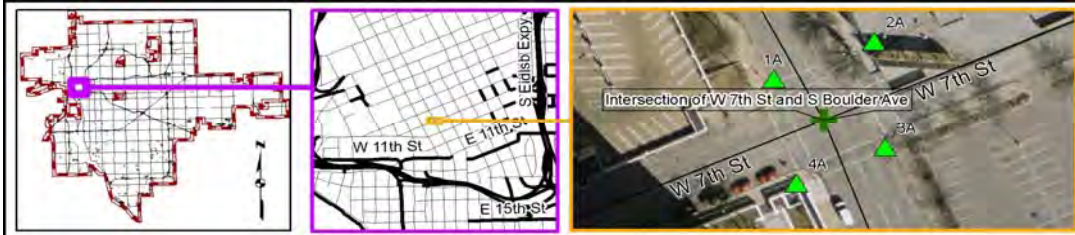
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,712.80
Engineering: (% +/-)	15%	\$ 2,694.51
Contingency: (% +/-)	20%	\$ 3,592.69
Estimated Project Cost:	\$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 7th St and S Main St

GPS ID: 0092

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,469.60
Engineering: (% +/-)	15%	\$ 1,941.60
Contingency: (% +/-)	20%	\$ 2,588.80
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

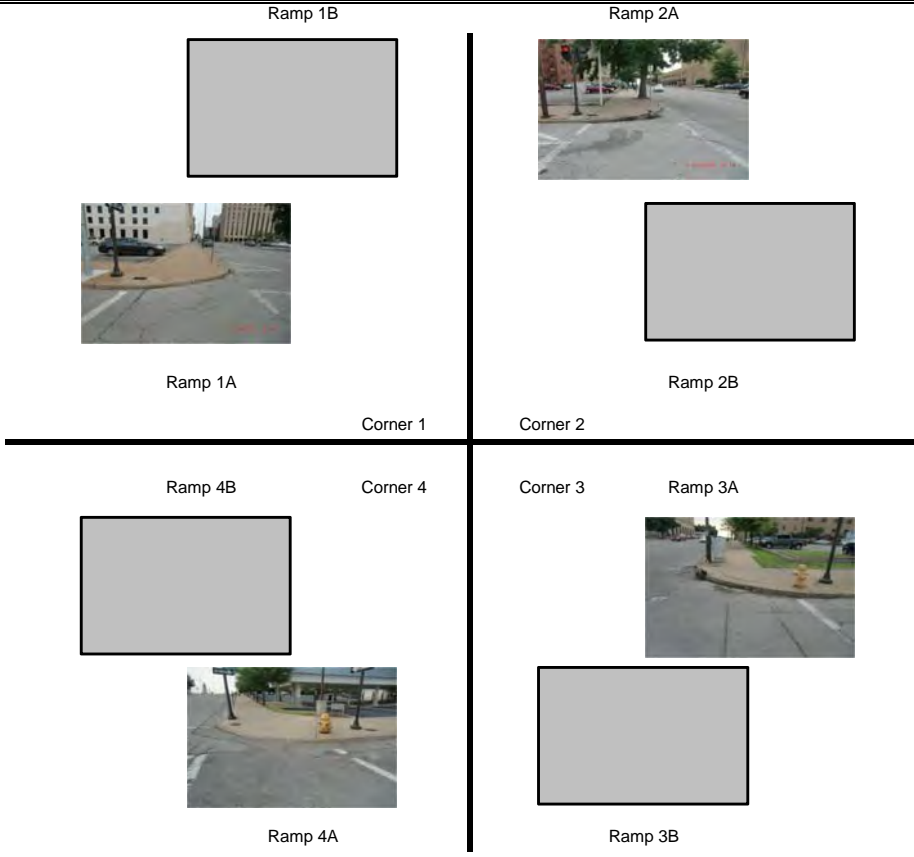
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 7th St and S Boston Ave

GPS ID: 0093

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,409.60
Engineering: (% +/-)	15%	\$ 1,538.74
Contingency: (% +/-)	20%	\$ 2,051.66
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		C			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 7th St and S Cincinnati Ave

GPS ID: 0094

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,960.60
Engineering: (% +/-)	15%	\$ 2,159.74
Contingency: (% +/-)	20%	\$ 2,879.66
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

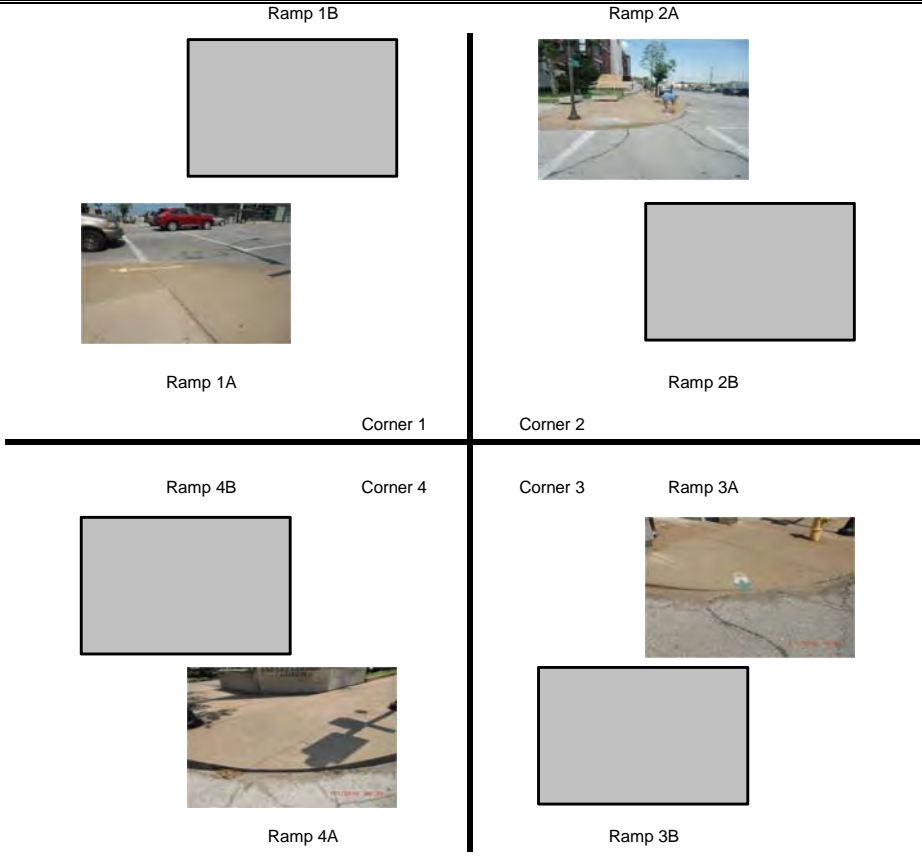
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed			X					X	Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp	X		X		X		X		Install landing area
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Detroit Ave and E 7th St

GPS ID: 0095

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,798.40
Engineering: (% +/-)	15%	\$ 2,657.83
Contingency: (% +/-)	20%	\$ 3,543.77
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X			X					Install handicap ramp
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area	X				X		X		
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 7th St and S Elgin Ave

GPS ID: 0096

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,819.20
Engineering: (% +/-)	15%	\$ 3,506.06
Contingency: (% +/-)	20%	\$ 4,674.74
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X					X	Remove and replace crosswalk pavement markings
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X		X	X	X		
Ramp running slope is greater than 8.33%	X	X	X		X	X	X		
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X	X	X		X	X	X		Install colored truncated domes
No color contrast at base of ramp	X	X	X		X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X		X	X	X		Regrade roadway
Ponding occurs at base of ramp	X	X	X		X	X	X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cheyenne Ave and W 8th St

GPS ID: 0097

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	88.88	SY	\$ 10.00	\$ 888.80
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	88.88	SY	\$ 80.00	\$ 7,110.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,425.60
Engineering: (% +/-)	15%	\$ 4,103.31
Contingency: (% +/-)	20%	\$ 5,471.09
Estimated Project Cost:	\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp cross slope is greater than 2%				X	X		X		
Ramp width is less than 36"	X								Install colored truncated domes
Obstruction present in ramp or landing area	X	X	X	X					
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install landing area
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X	X	Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"		X		X					Regrade roadway
Ponding occurs at base of ramp		X		X	X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 8th St and S Denver Ave

GPS ID: 0098

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,212.80
Engineering: (% +/-)	15%	\$ 2,051.66
Contingency: (% +/-)	20%	\$ 2,735.54
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Boulder Ave and W 8th St

GPS ID: 0099

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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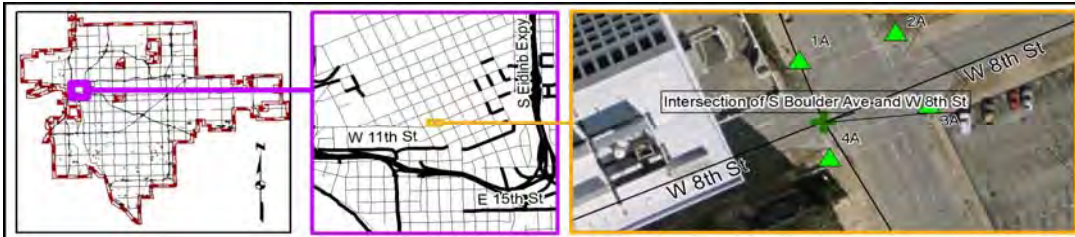
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,212.80
Engineering: (% +/-)	15%	\$ 2,908.80
Contingency: (% +/-)	20%	\$ 3,878.40
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X	X							
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install landing area
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X					X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X	X							
Ramp not needed due to intersection geometry									Regrade roadway
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Main St and W 8th St

GPS ID: 0100

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,187.20
Engineering: (% +/-)	15%	\$ 2,062.63
Contingency: (% +/-)	20%	\$ 2,750.17
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%					X	X	X	X	
Ramp running slope is greater than 8.33%					X	X	X	X	
Ramp cross slope is greater than 2%					X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X	X	X	X	Install colored truncated domes
No color contrast at base of ramp					X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 8th St and S Boston Ave

GPS ID: 0101

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk	X				X		X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed					X				
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp							X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		C		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 8th St and S Cincinnati Ave

GPS ID: 0102

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

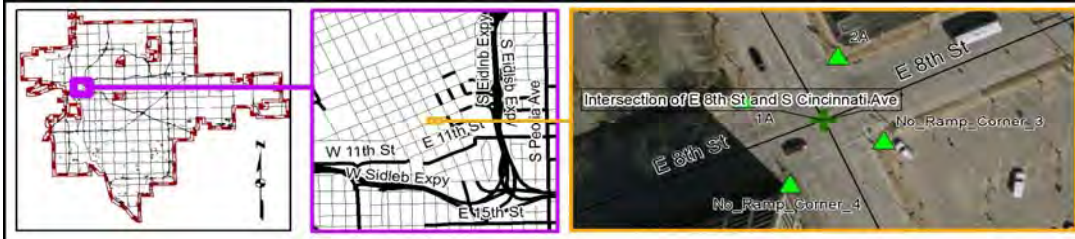
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,384.00
Engineering: (% +/-)	15%	\$ 2,406.86
Contingency: (% +/-)	20%	\$ 3,209.14
Estimated Project Cost:	\$	21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X		X		
Ramp does not exist and is needed									Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						Install colored truncated domes
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Detroit Ave and E 8th St

GPS ID: 0103

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,904.80
Engineering: (% +/-)	15%	\$ 3,040.80
Contingency: (% +/-)	20%	\$ 4,054.40
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk		X							Remove and replace crosswalk pavement markings
No 48" extension into crosswalk								X	Install handicap ramp
Ramp does not exist and is needed		X	X		X	X			
Flare cross slope is greater than 10%		X	X		X	X			
Ramp running slope is greater than 8.33%	X	X	X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X	X	X						
No textured surface at base of ramp			X		X	X			Install colored truncated domes
No color contrast at base of ramp			X		X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Elgin Ave and E 8th St

GPS ID: 0104

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,012.50
Engineering: (% +/-)	15%	\$ 2,994.64
Contingency: (% +/-)	20%	\$ 3,992.86
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

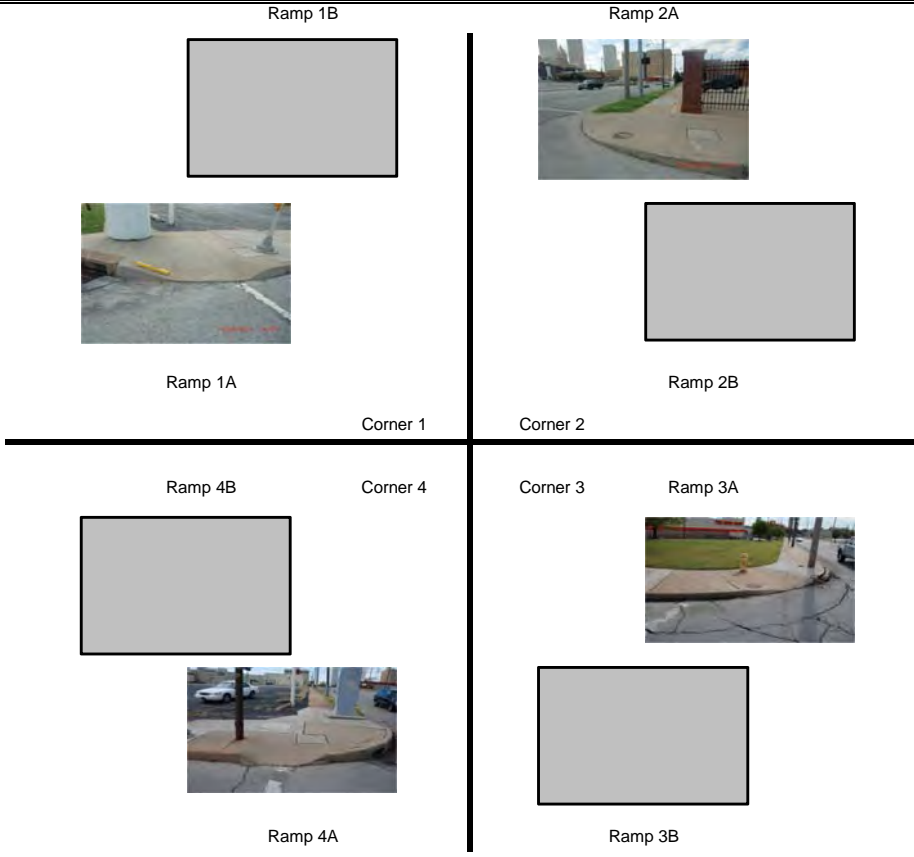
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X				X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area	X		X		X				Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"			X						
Pedestrian pushbutton height is greater than 42"	X		X						
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Blvd and S Utica Ave

GPS ID: 0105

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	26.66	SY	\$ 10.00	\$ 266.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,433.60
Engineering: (% +/-)	15%	\$ 2,814.17
Contingency: (% +/-)	20%	\$ 3,752.23
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X							X	Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Boston St and E 10th St

GPS ID: 0106

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,660.60
Engineering: (% +/-)	15%	\$ 1,859.74
Contingency: (% +/-)	20%	\$ 2,479.66
Estimated Project Cost:	\$	16,000.00

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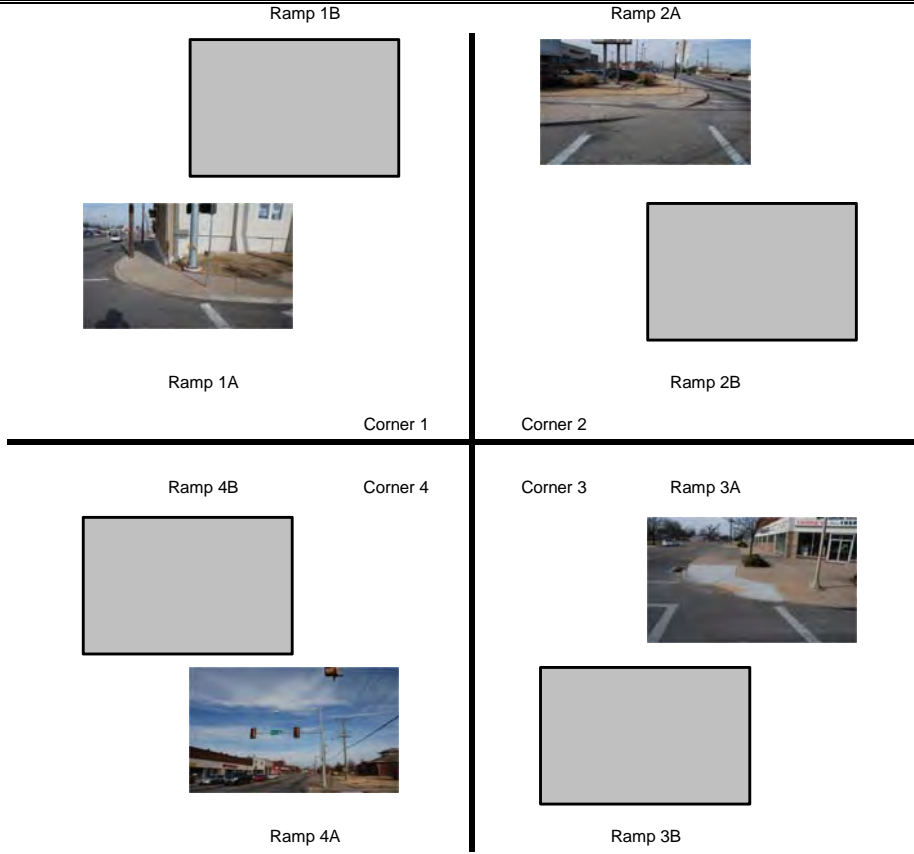
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		L		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Pittsburg Ave

GPS ID: 0107

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	26.66	SY	\$ 10.00	\$ 266.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	5	EA	\$ 100.00	\$ 500.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,033.60
Engineering: (% +/-)	15%	\$ 2,557.03
Contingency: (% +/-)	20%	\$ 3,409.37
Estimated Project Cost:	\$	21,000.00

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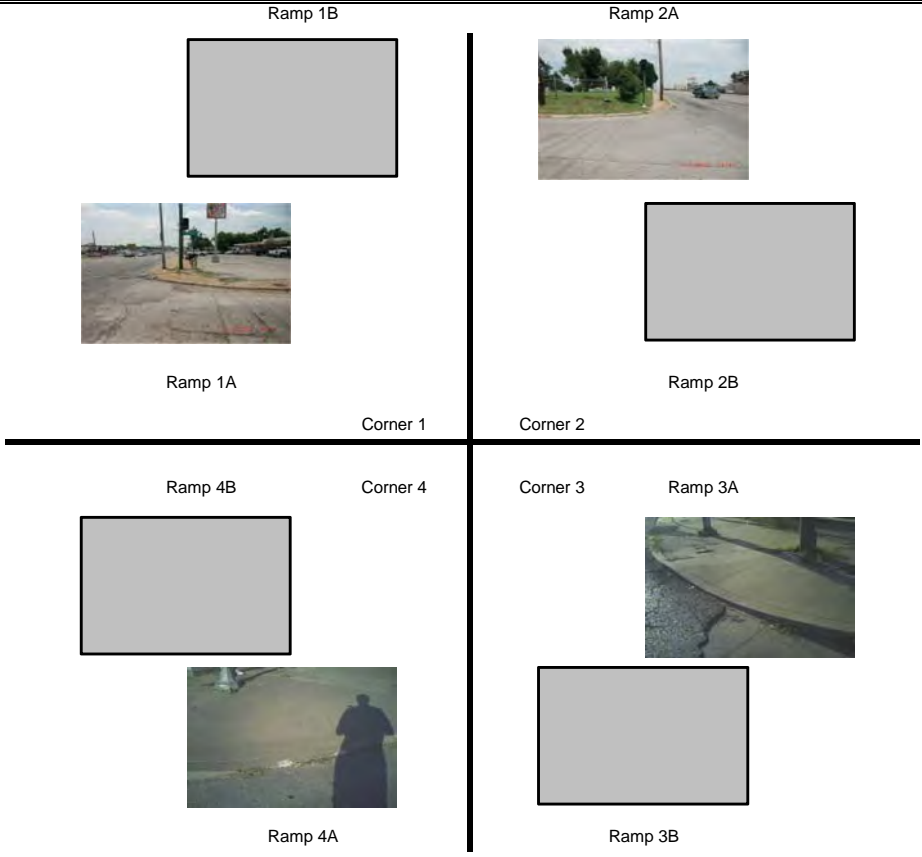
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X		X		
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp					X		X		Install landing area
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Remove and replace pedestrian push button
No pedestrian push buttons					X		X		
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Yale Ave

GPS ID: 0108

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	100.55	SY	\$ 10.00	\$ 1,005.50
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	100.55	SY	\$ 80.00	\$ 8,044.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

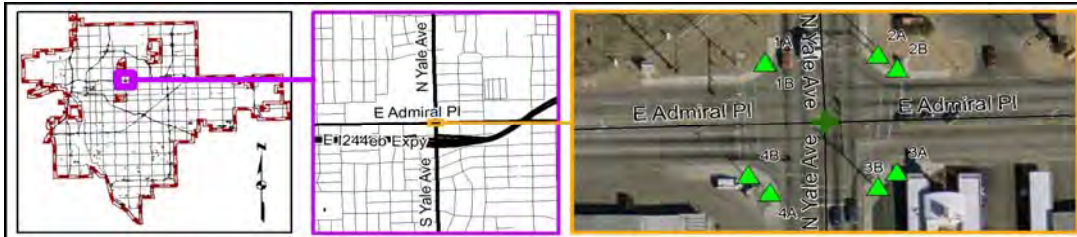
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	28,672.60
Engineering: (% +/-)	15%	\$ 4,426.03
Contingency: (% +/-)	20%	\$ 5,901.37
Estimated Project Cost:	\$	39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%		X	X				X	X	
Ramp running slope is greater than 8.33%			X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"						X	X		Regrade roadway
Ponding occurs at base of ramp			X			X	X		
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H	M	M	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 73rd East Ave and E Admiral PI

GPS ID: 0110

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	57.77	SY	\$ 10.00	\$ 577.70
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	58.88	SY	\$ 80.00	\$ 4,710.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,304.60
Engineering: (% +/-)	15%	\$ 4,155.17
Contingency: (% +/-)	20%	\$ 5,540.23
Estimated Project Cost:	\$	35,000.00

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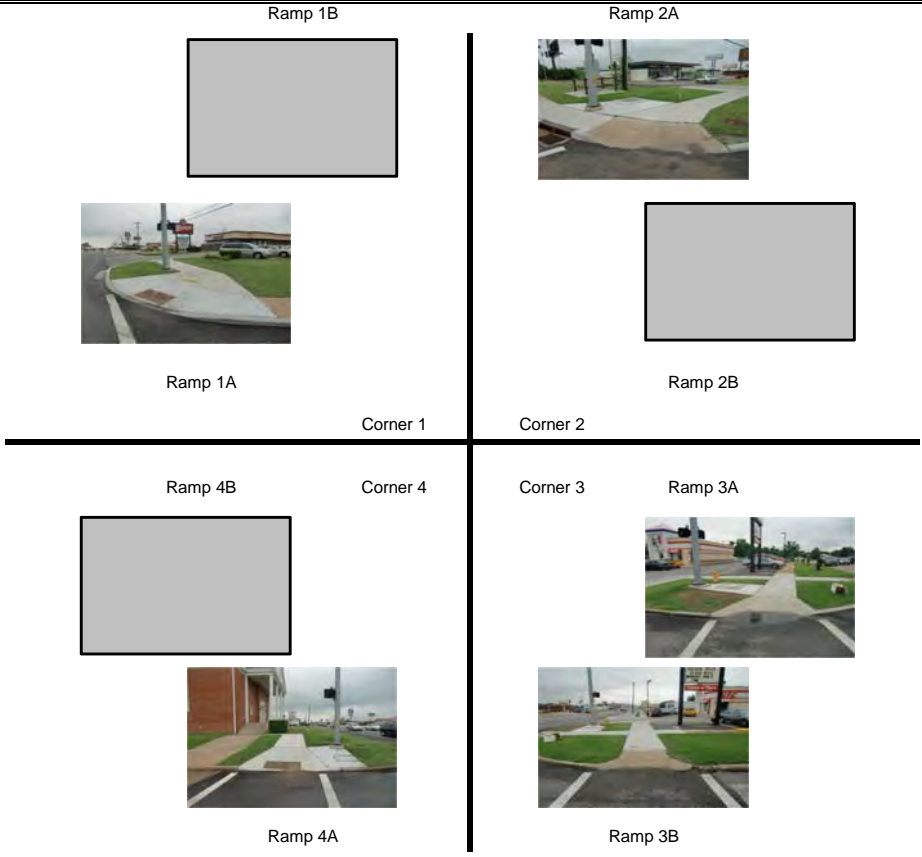
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X		X		Install colored truncated domes
No color contrast at base of ramp			X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X						X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X		X		X		Regrade roadway
Ponding occurs at base of ramp			X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E Admiral PI

GPS ID: 0111

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,850.40
Engineering: (% +/-)	15%	\$ 3,064.11
Contingency: (% +/-)	20%	\$ 4,085.49
Estimated Project Cost:	\$	27,000.00

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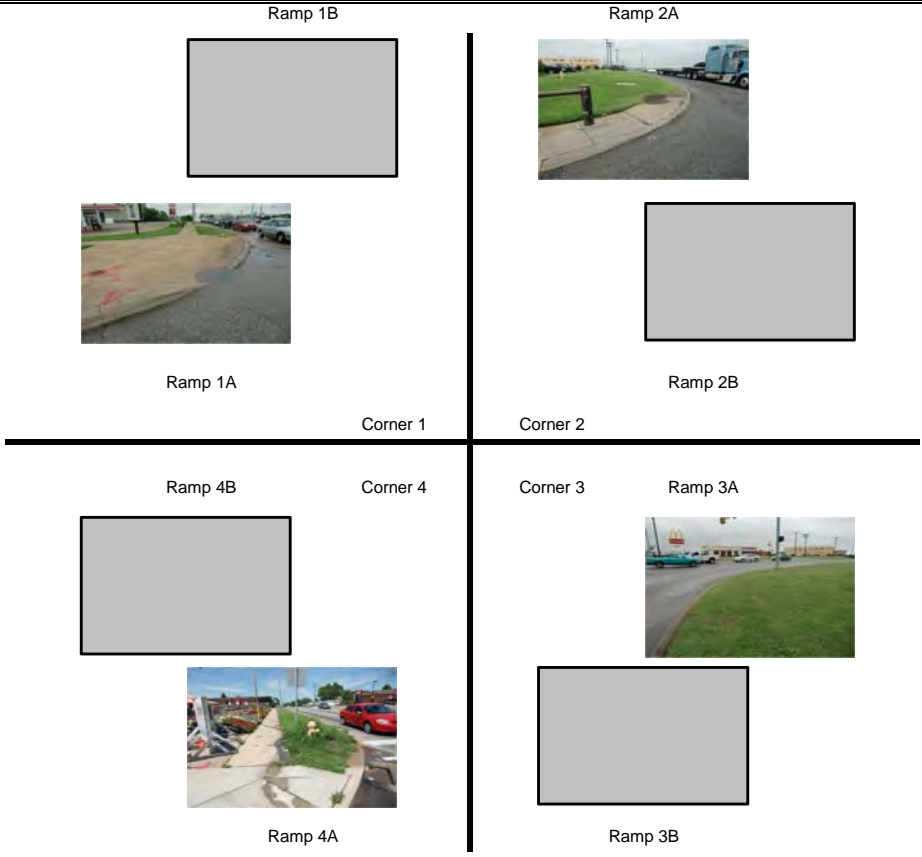
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk					X	X			Install handicap ramp
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X							Install colored truncated domes
No color contrast at base of ramp	X	X							
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X							Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X				X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X				X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist		X	X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E Admiral PI

GPS ID: 0112

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	51.67	SY	\$ 10.00	\$ 516.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
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21					
22					

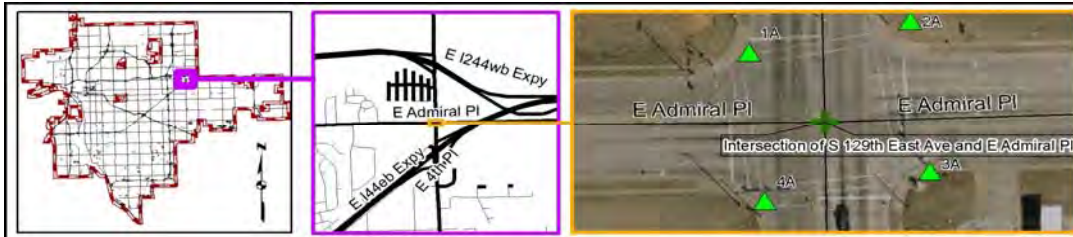
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,060.20
Engineering: (% +/-)	15%	\$ 2,545.63
Contingency: (% +/-)	20%	\$ 3,394.17
Estimated Project Cost:	\$	22,000.00

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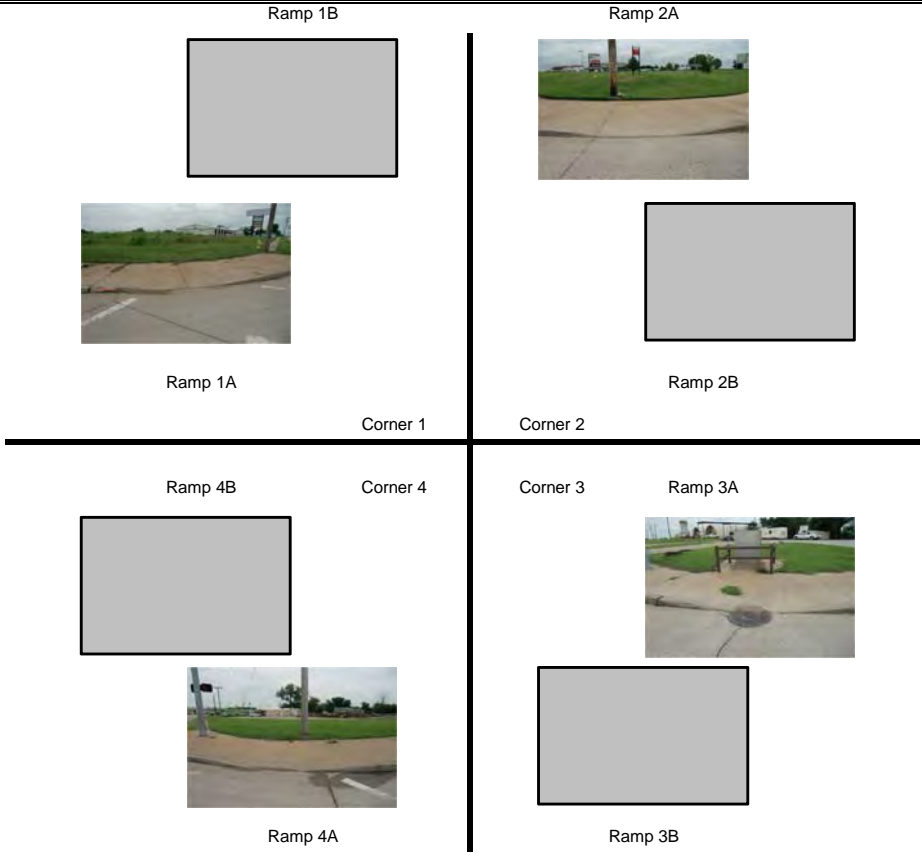
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X					X	Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X			X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X							X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Main St and E 10th St

GPS ID: 0113

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,819.20
Engineering: (% +/-)	15%	\$ 3,077.49
Contingency: (% +/-)	20%	\$ 4,103.31
Estimated Project Cost:	\$	26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X	X	X		
Ramp running slope is greater than 8.33%	X		X		X	X	X		
Ramp cross slope is greater than 2%			X				X	X	Remove and replace ramp
Ramp width is less than 36"	X								
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X					X	Install colored truncated domes
No color contrast at base of ramp	X		X					X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 41st St

GPS ID: 0114

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	60.56	SY	\$ 10.00	\$ 605.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	60.56	SY	\$ 80.00	\$ 4,844.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,113.60
Engineering: (% +/-)	15%	\$ 3,808.46
Contingency: (% +/-)	20%	\$ 5,077.94
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

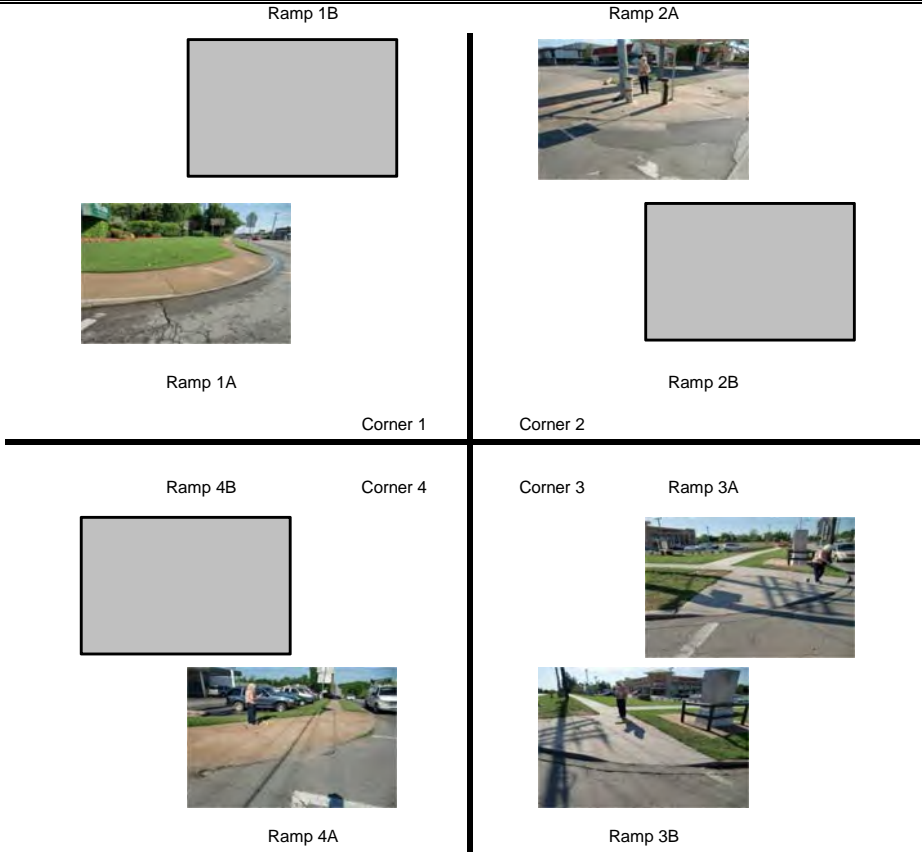
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%	X		X		X	X			Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X		X	X	X		Install colored truncated domes
No color contrast at base of ramp	X		X		X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X	X		Install landing area
No pedestrian push buttons						X			Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"	X				X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X				X		Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 31st St

GPS ID: 0115

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,112.40
Engineering: (% +/-)	15%	\$ 2,951.83
Contingency: (% +/-)	20%	\$ 3,935.77
Estimated Project Cost:	\$	26,000.00

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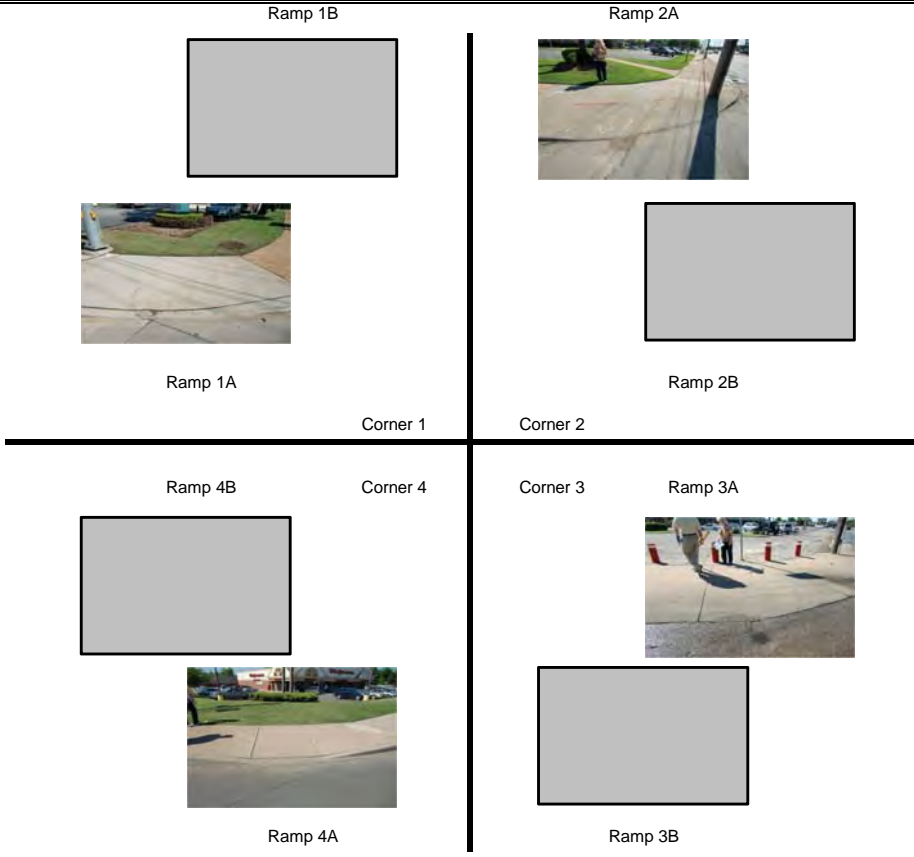
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X			X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 27th St

GPS ID: 0116

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

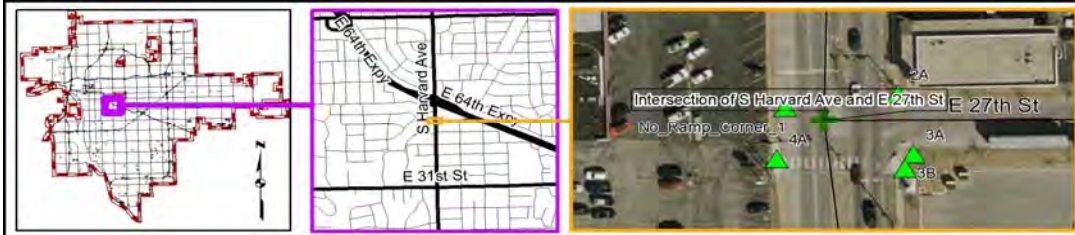
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,012.50
Engineering: (% +/-)	15%	\$ 2,137.50
Contingency: (% +/-)	20%	\$ 2,850.00
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	N/A	
Crosswalk cross slope is greater than 5%	-	X	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X	X		
Ramp running slope is greater than 8.33%					X	X	X		
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	-		M		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and SH 51 EB Exit Ramp

GPS ID: 0117

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,477.60
Engineering: (% +/-)	15%	\$ 1,509.60
Contingency: (% +/-)	20%	\$ 2,012.80
Estimated Project Cost:	\$	12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	N/A	-	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X						X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and SH 51 WB Ramp

GPS ID: 0118

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,805.20
Engineering: (% +/-)	15%	\$ 3,083.49
Contingency: (% +/-)	20%	\$ 4,111.31
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

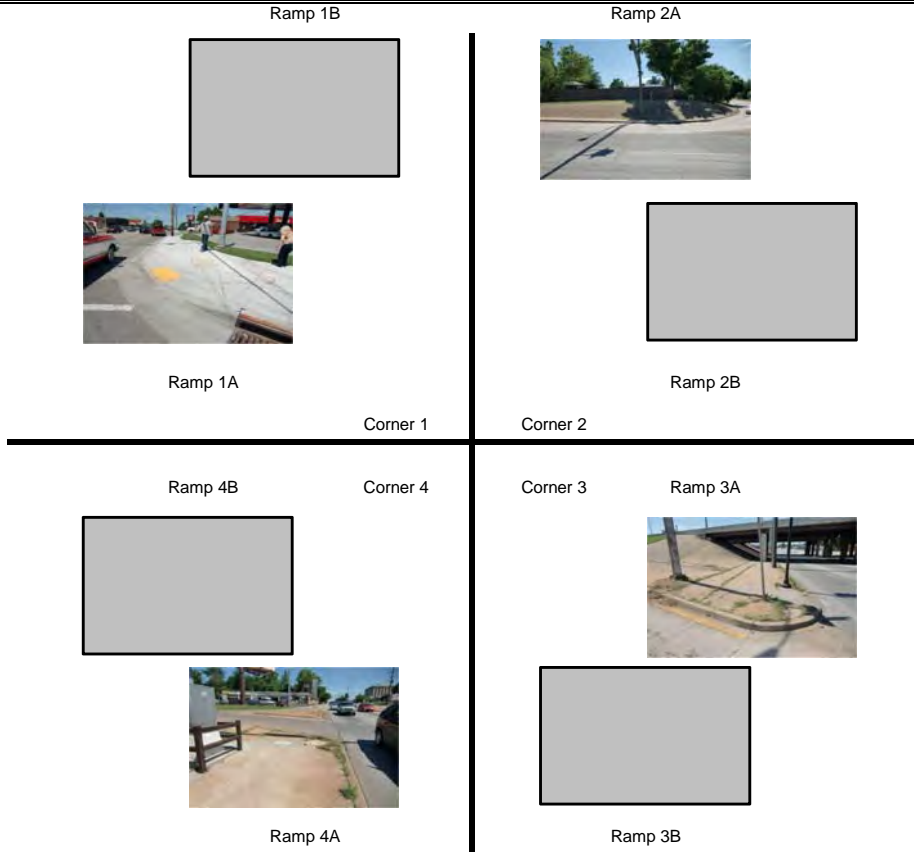
Project Location



Field Observations

Intersection Issues	Crosswalk			Recommendations
	N	E	W	
Pavement condition at the crosswalk	-	-	N/A	-
Crosswalk cross slope is greater than 5%	-	-	N/A	-
Crosswalk striping	No	No	N/A	No

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 21st St

GPS ID: 0119

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	61.1	SY	\$ 10.00	\$ 611.00
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,451.50
Engineering: (% +/-)	15%	\$ 3,235.07
Contingency: (% +/-)	20%	\$ 4,313.43
Estimated Project Cost:	\$	29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Yes	Yes	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk		X							Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X	X	X	X	X	X	
Ramp running slope is greater than 8.33%		X			X	X		X	Remove and replace ramp
Ramp cross slope is greater than 2%		X	X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp			X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X		X				Install landing area
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"	X	X							
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X			X	X	X		
Ramp transition onto roadway is greater than 0.25"			X				X		Regrade roadway
Ponding occurs at base of ramp			X	X			X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at S Harvard Ave (north of E 19th St)

GPS ID: 0120

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,756.20
Engineering: (% +/-)	15%	\$ 1,390.20
Contingency: (% +/-)	20%	\$ 1,853.60
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 15th St

GPS ID: 0121

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	7	EA	\$ 100.00	\$ 700.00
9	PEDESTRIAN PUSH BUTTON	7	EA	\$ 350.00	\$ 2,450.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,562.60
Engineering: (% +/-)	15%	\$ 3,187.46
Contingency: (% +/-)	20%	\$ 4,249.94
Estimated Project Cost:	\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

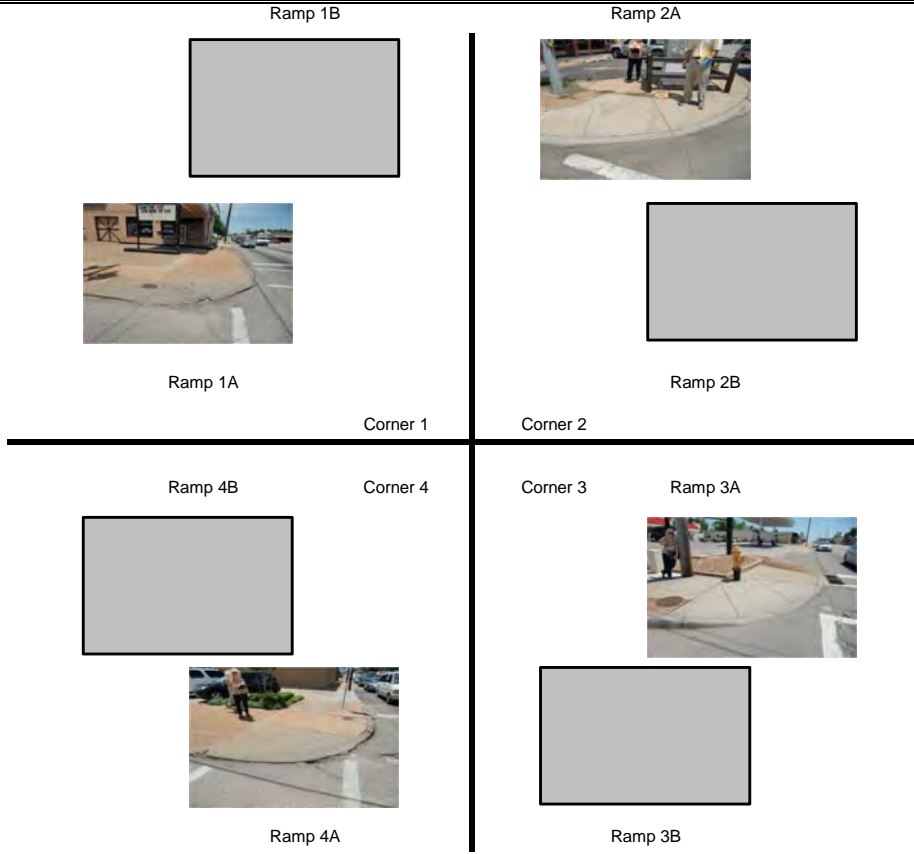
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp	X		X		X		X		Install landing area
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Remove and replace pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 11th St

GPS ID: 0122

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	60.56	SY	\$ 10.00	\$ 605.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	60.56	SY	\$ 80.00	\$ 4,844.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,635.60
Engineering: (% +/-)	15%	\$ 3,584.74
Contingency: (% +/-)	20%	\$ 4,779.66
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	-	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Worn	Yes	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X		X		X		Install colored truncated domes
No color contrast at base of ramp	X	X	X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X							Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X							Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"		X	X		X		X		Regrade roadway
Ponding occurs at base of ramp	X	X	X						
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Independence St

GPS ID: 0123

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,112.40
Engineering: (% +/-)	15%	\$ 3,380.40
Contingency: (% +/-)	20%	\$ 4,507.20
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

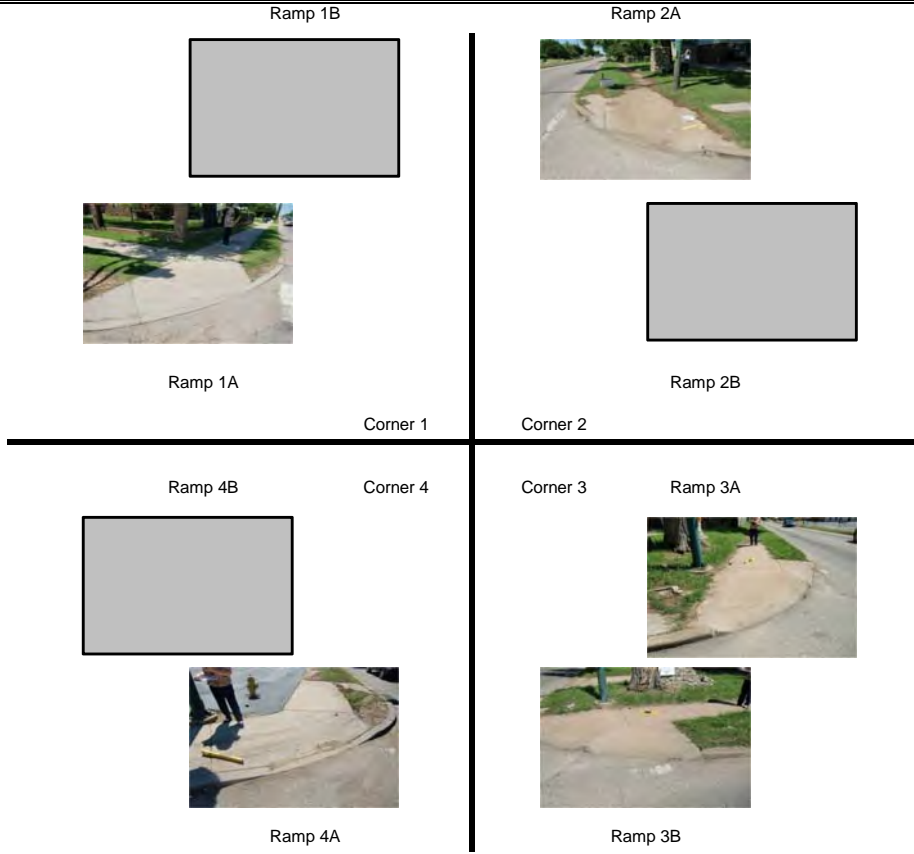
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X	X		
Ramp running slope is greater than 8.33%			X		X	X	X		
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X	X	X		Install colored truncated domes
No color contrast at base of ramp	X		X		X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X	X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X	X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X	X	X		Regrade roadway
Ponding occurs at base of ramp			X			X	X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Pine St

GPS ID: 0124

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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22					

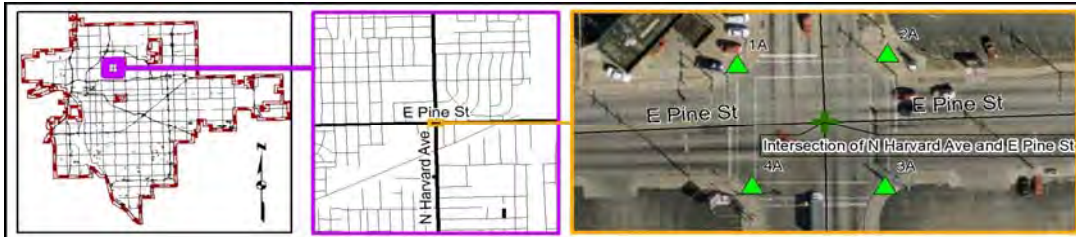
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,412.70
Engineering: (% +/-)	15%	\$ 2,823.13
Contingency: (% +/-)	20%	\$ 3,764.17
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

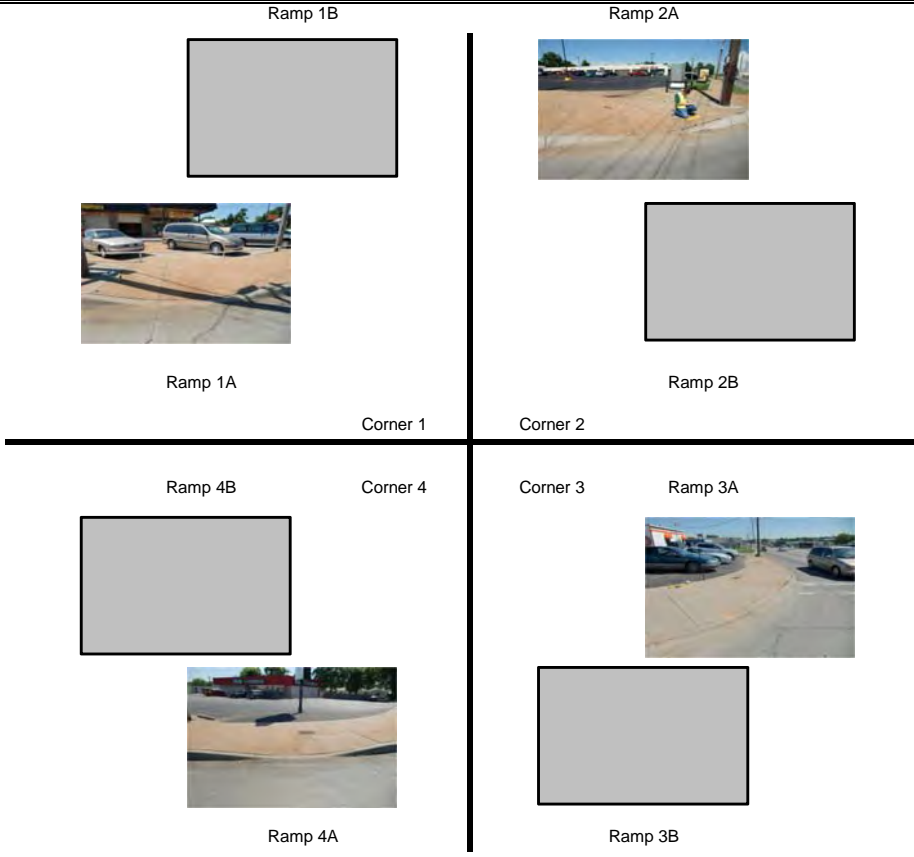
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of E Skelly Dr (WB) and S Lewis Ave

GPS ID: 0125

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,524.80
Engineering: (% +/-)	15%	\$ 2,346.51
Contingency: (% +/-)	20%	\$ 3,128.69
Estimated Project Cost:	\$	21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Lewis Ave

GPS ID: 125a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	51.13	SY	\$ 80.00	\$ 4,090.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,319.20
Engineering: (% +/-)	15%	\$ 2,006.06
Contingency: (% +/-)	20%	\$ 2,674.74
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

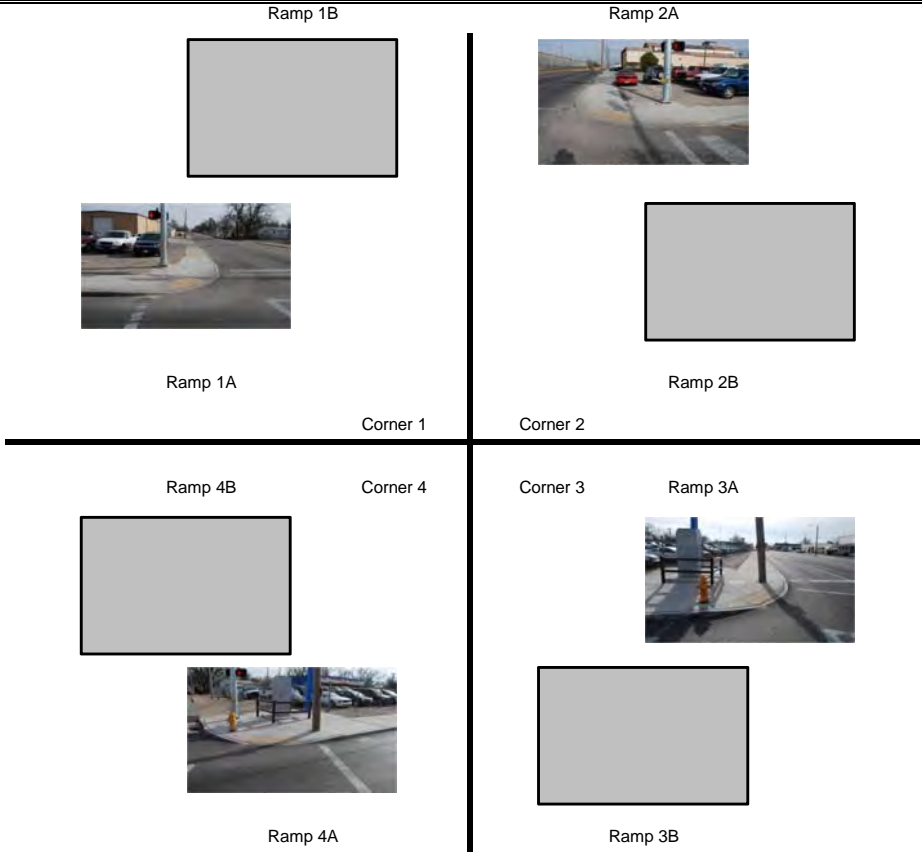
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Relocate pedestrian push button
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X				X				
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 61st St

GPS ID: 0126

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	7	EA	\$ 500.00	\$ 3,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,500.40
Engineering: (% +/-)	15%	\$ 2,785.54
Contingency: (% +/-)	20%	\$ 3,714.06
Estimated Project Cost:	\$	25,000.00

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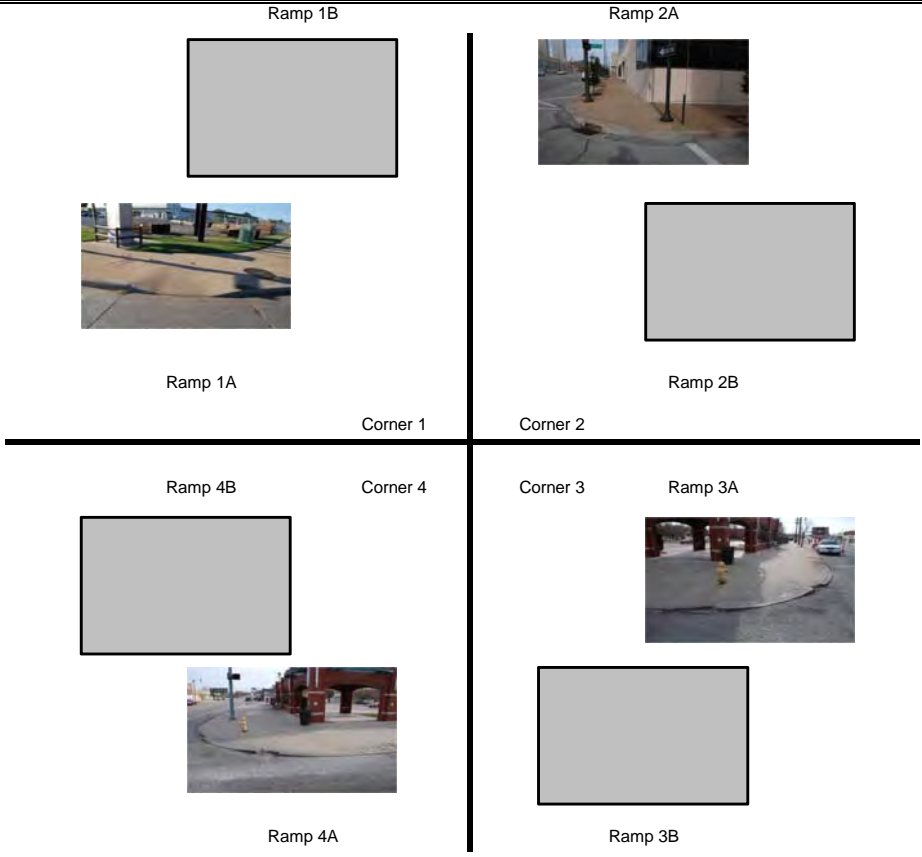
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 21st St

GPS ID: 0127

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	82.21	SY	\$ 10.00	\$ 822.10
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	82.21	SY	\$ 80.00	\$ 6,576.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	11	EA	\$ 350.00	\$ 3,850.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	35,172.00
Engineering: (% +/-)	15%	\$ 5,497.71
Contingency: (% +/-)	20%	\$ 7,330.29
Estimated Project Cost:	\$	48,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X	X	X	X	X	X	X	X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install landing area
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install pedestrian push buttons
No pedestrian push buttons		X	X	X	X				
Pedestrian pushbutton diameter is not 2"	X		X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X	X	X	X	X	X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Relocate pedestrian push button
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 17th St

GPS ID: 0129

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	59.45	SY	\$ 10.00	\$ 594.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	70.56	SY	\$ 80.00	\$ 5,644.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,702.50
Engineering: (% +/-)	15%	\$ 3,984.64
Contingency: (% +/-)	20%	\$ 5,312.86
Estimated Project Cost:	\$	35,000.00

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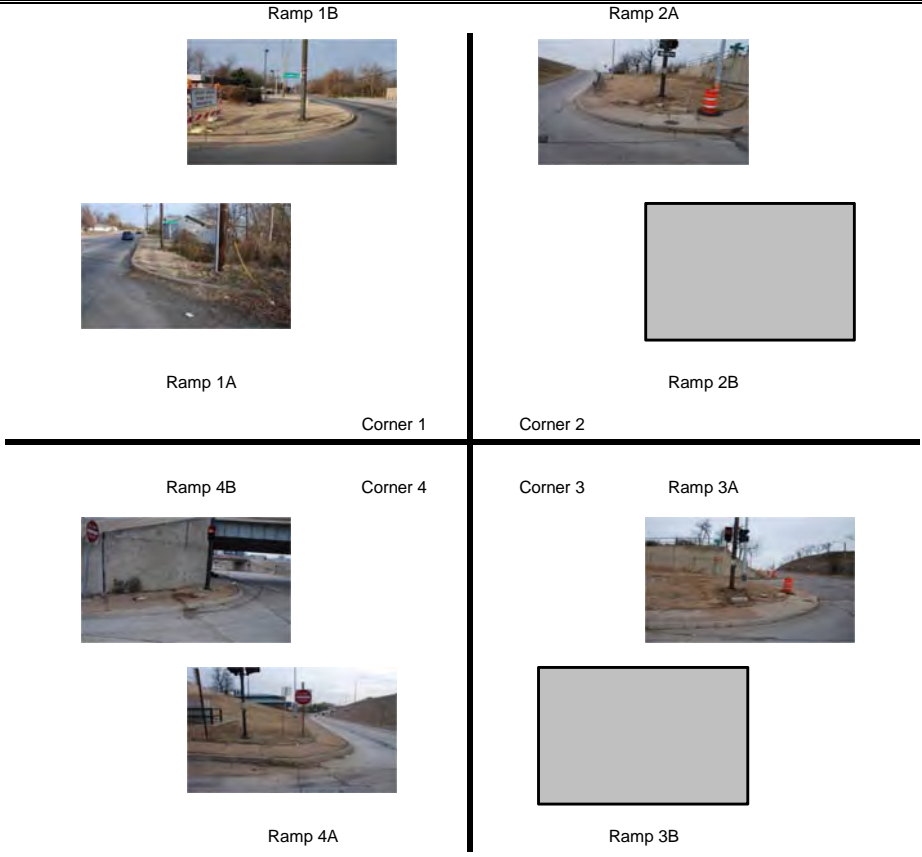
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X						Install handicap ramp
Ramp does not exist and is needed				X					
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X					X	X		Remove and replace ramp
Ramp width is less than 36"						X			
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X	X				X	X		Install colored truncated domes
No color contrast at base of ramp	X	X				X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X			X		X		Install landing area
No pedestrian push buttons	X		X				X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"					X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X					X		Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 15th St

GPS ID: 0130

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	79.99	SY	\$ 10.00	\$ 799.90
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	79.99	SY	\$ 80.00	\$ 6,399.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,622.20
Engineering: (% +/-)	15%	\$ 4,447.63
Contingency: (% +/-)	20%	\$ 5,930.17
Estimated Project Cost:	\$	38,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	X	-	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X			
Ramp running slope is greater than 8.33%	X	X	X	X	X	X			
Ramp cross slope is greater than 2%			X	X	X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X						X		
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X			X	X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X			X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X		X	X	X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 14th St and S Lewis Ave

GPS ID: 0132

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,279.20
Engineering: (% +/-)	15%	\$ 2,023.20
Contingency: (% +/-)	20%	\$ 2,697.60
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 11th St

GPS ID: 0133

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	50.02	SY	\$ 10.00	\$ 500.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,908.40
Engineering: (% +/-)	15%	\$ 2,182.11
Contingency: (% +/-)	20%	\$ 2,909.49
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

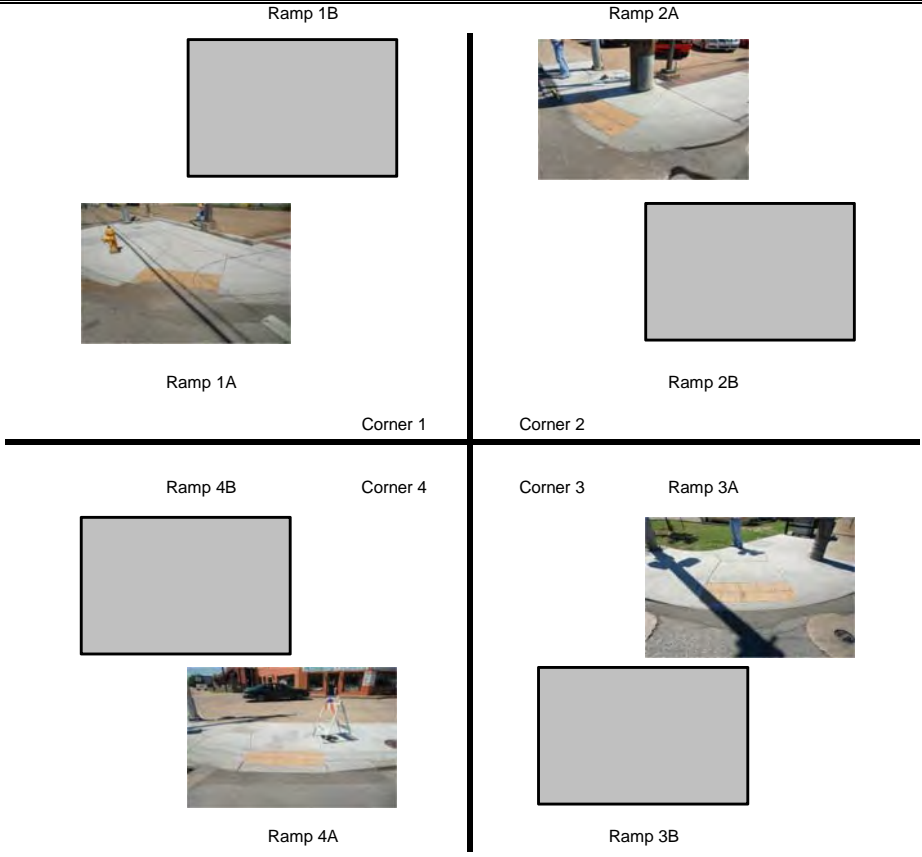
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	Good	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 3rd St

GPS ID: 0134

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,598.30
Engineering: (% +/-)	15%	\$ 2,743.59
Contingency: (% +/-)	20%	\$ 3,658.11
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

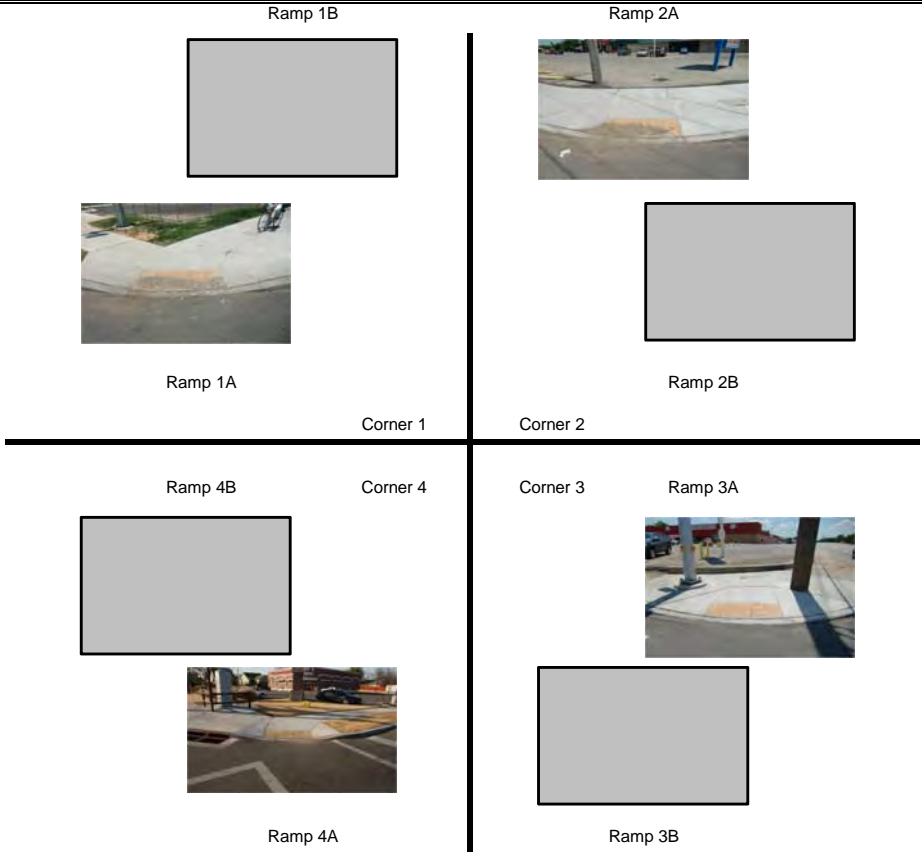
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2% Ramp width is less than 36"			X				X		
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist No pedestrian push buttons	X		X				X		Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X				X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E Admiral Blvd

GPS ID: 0135

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,312.80
Engineering: (% +/-)	15%	\$ 4,151.66
Contingency: (% +/-)	20%	\$ 5,335.54
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	Remove and replace ramp
Ramp running slope is greater than 8.33%			X					X	
Ramp cross slope is greater than 2%								X	
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons	X		X		X			X	Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X			X	Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Independence St and N Lewis Ave

GPS ID: 0136

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,812.70
Engineering: (% +/-)	15%	\$ 2,651.70
Contingency: (% +/-)	20%	\$ 3,535.60
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Pine St

GPS ID: 0138

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,401.50
Engineering: (% +/-)	15%	\$ 1,970.79
Contingency: (% +/-)	20%	\$ 2,627.71
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

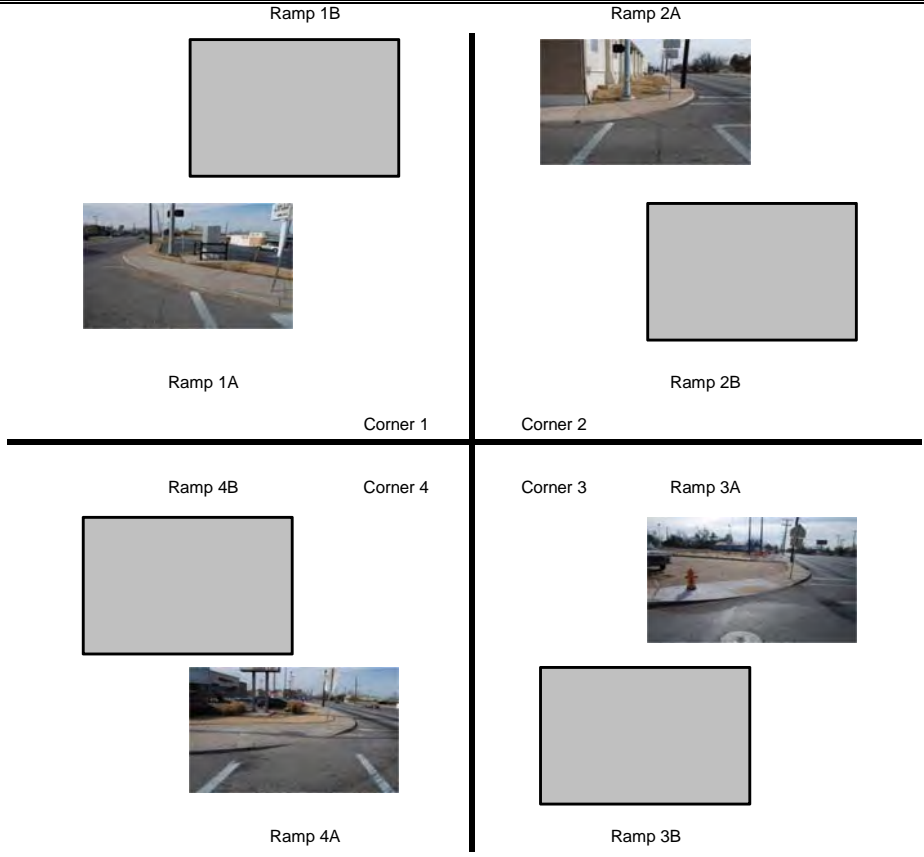
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X		X		Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 1st St and S Lewis Ave

GPS ID: 0139

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

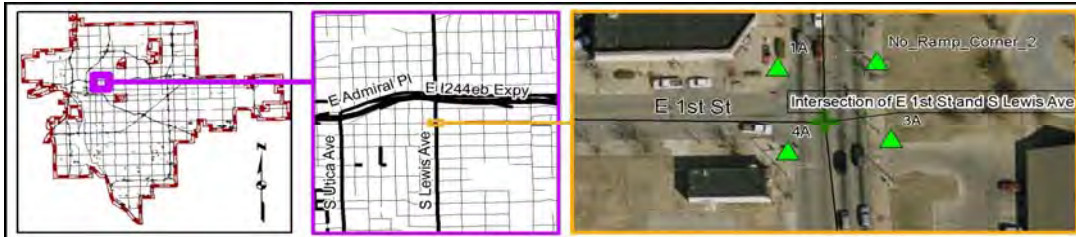
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,006.40
Engineering: (% +/-)	15%	\$ 2,568.69
Contingency: (% +/-)	20%	\$ 3,424.91
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

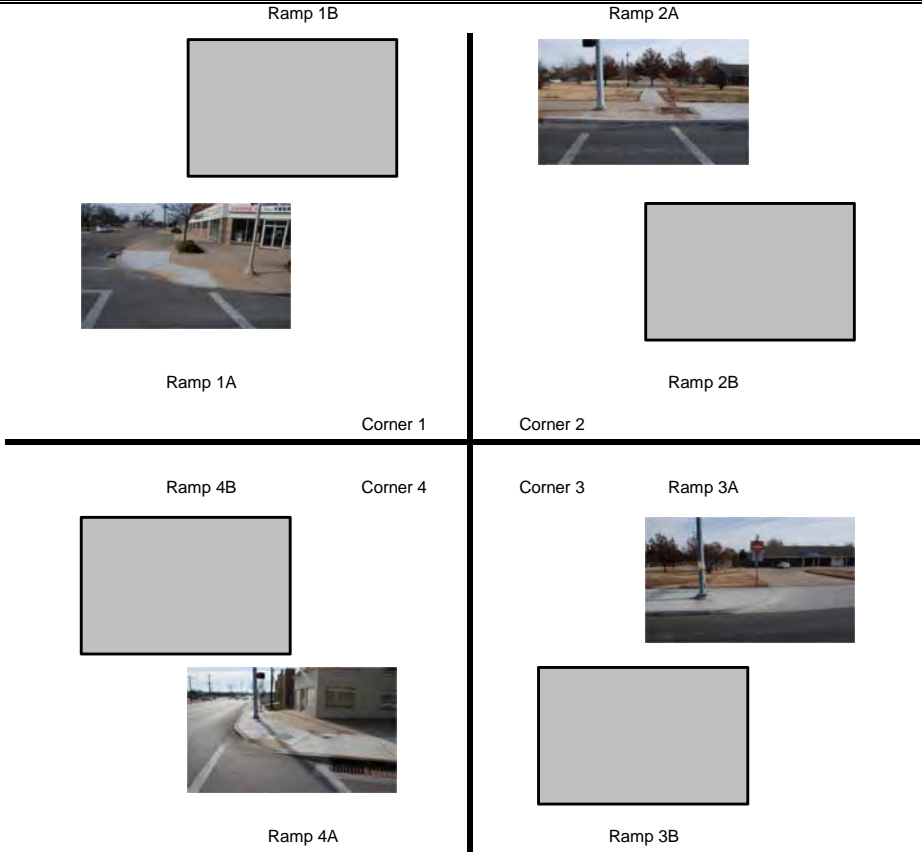
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	-	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	Yes	N/A	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons	X				X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to intersection geometry									
Ramp Priority:	L				H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Memorial Dr

GPS ID: 0140

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1.11	SY	\$ 10.00	\$ 11.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,243.90
Engineering: (% +/-)	15%	\$ 2,466.90
Contingency: (% +/-)	20%	\$ 3,289.20
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X						X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Memorial Dr

GPS ID: 0141

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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17					
18					
19					
20					
21					
22					

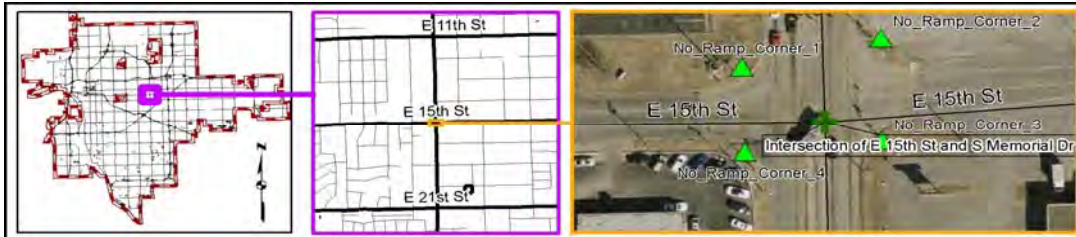
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,421.60
Engineering: (% +/-)	15%	\$ 3,247.89
Contingency: (% +/-)	20%	\$ 4,330.51
Estimated Project Cost:	\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Memorial Dr

GPS ID: 0142

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

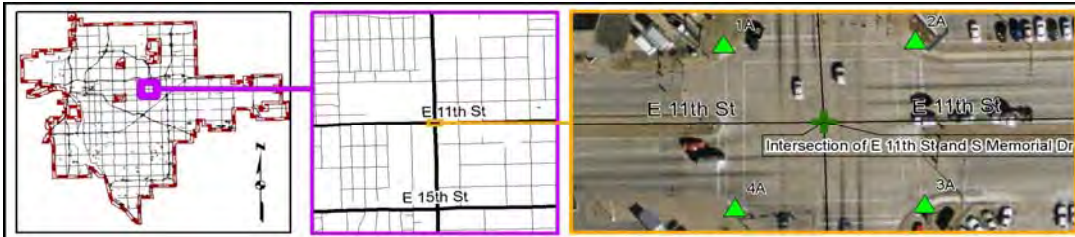
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,464.80
Engineering: (% +/-)	15%	\$ 2,372.23
Contingency: (% +/-)	20%	\$ 3,162.97
Estimated Project Cost:	\$	19,000.00

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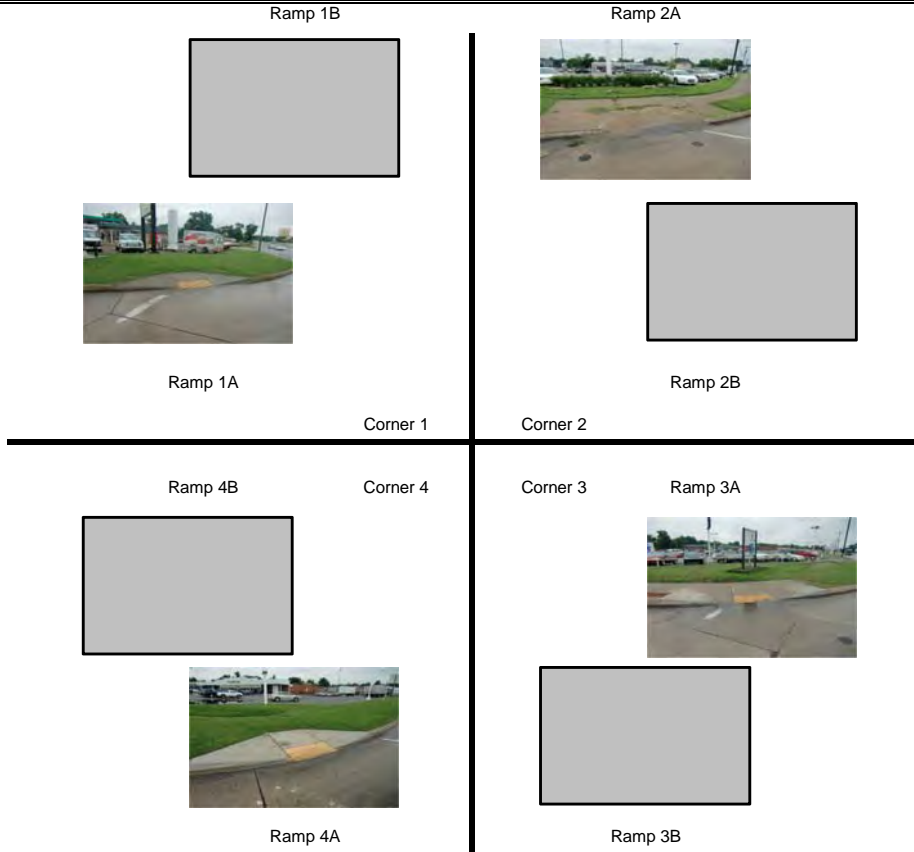
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Remove and replace ramp
Flare cross slope is greater than 10%	X		X	X					
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%								X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					Install colored truncated domes
No textured surface at base of ramp				X					
No color contrast at base of ramp				X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X	X					
Pedestrian pushbutton height is greater than 42"	X		X	X			X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp				X					
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H			H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 4th PI

GPS ID: 0143

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,782.80
Engineering: (% +/-)	15%	\$ 1,807.37
Contingency: (% +/-)	20%	\$ 2,409.83
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 2nd St

GPS ID: 0144

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1.11	SY	\$ 10.00	\$ 11.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	18,621.50
Engineering: (% +/-)	15%	\$	3,162.21
Contingency: (% +/-)	20%	\$	4,216.29
Estimated Project Cost:		\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

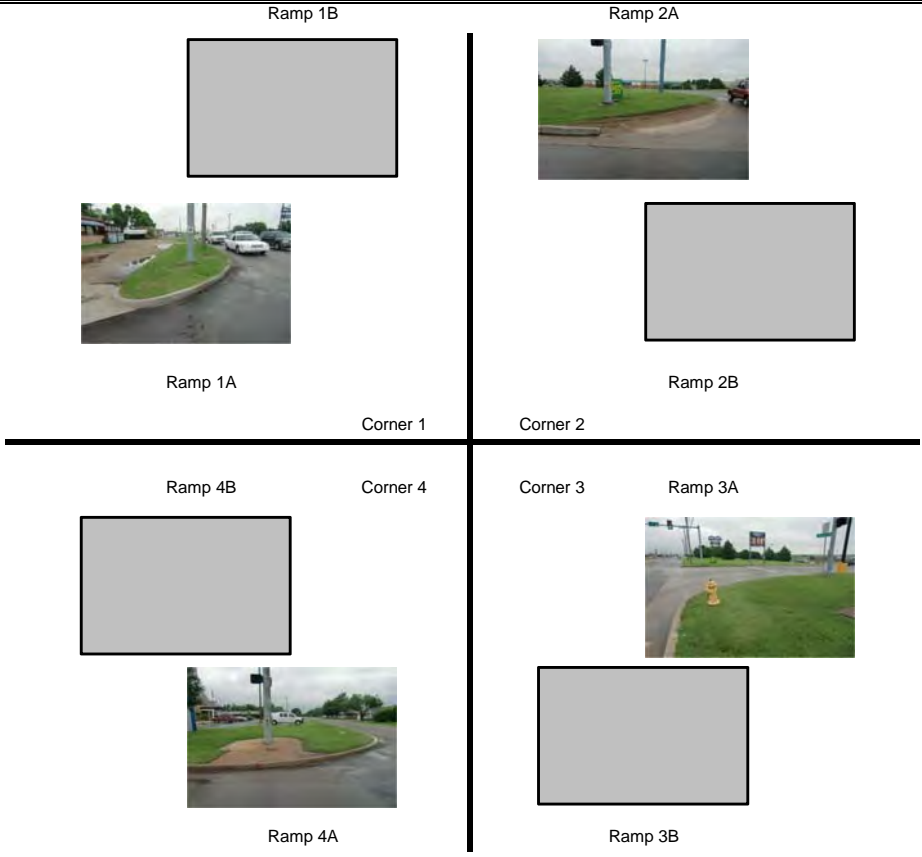
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Memorial Dr and E Pine St

GPS ID: 0145

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	4.44	SY	\$ 80.00	\$ 355.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

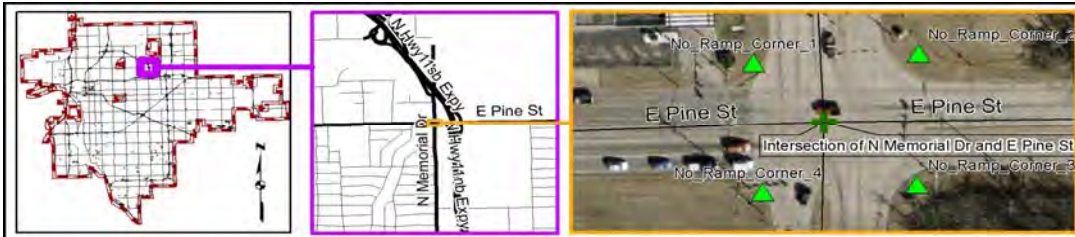
Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	3,955.20
Engineering: (% +/-)	15%	\$	876.34
Contingency: (% +/-)	20%	\$	1,168.46
Estimated Project Cost:		\$	6,000.00

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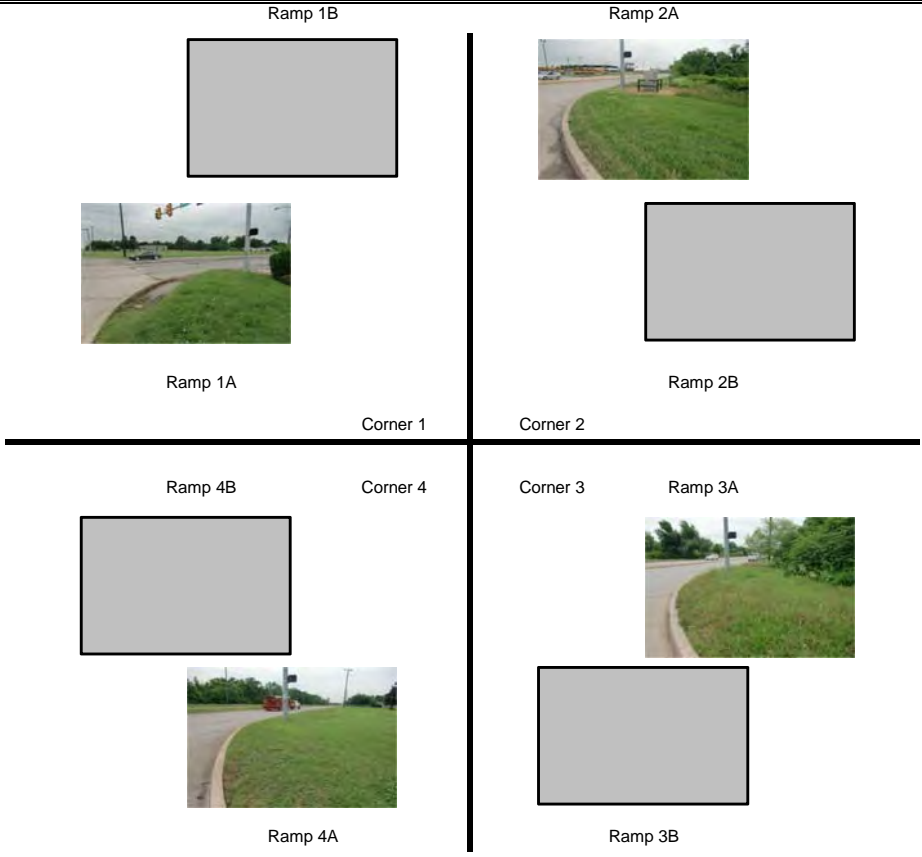
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Mingo Rd

GPS ID: 0146

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.34	SY	\$ 10.00	\$ 483.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.34	SY	\$ 80.00	\$ 3,867.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,760.50
Engineering: (% +/-)	15%	\$ 2,674.07
Contingency: (% +/-)	20%	\$ 3,565.43
Estimated Project Cost:	\$	24,000.00

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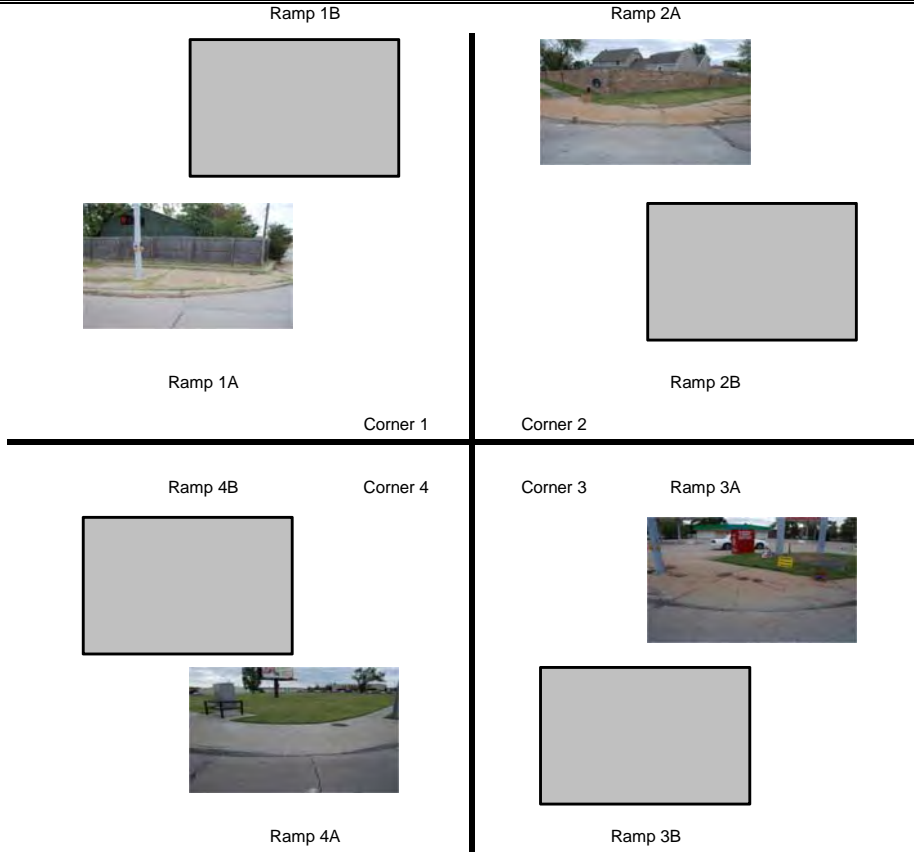
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X				X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X	X	X	X	X	X	X	X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install landing area
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X							Remove and replace pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X					X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X					X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X						
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X	X							
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	M	M	M	M	M	M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 56th St

GPS ID: 0147

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	57.77	SY	\$ 80.00	\$ 4,621.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,740.30
Engineering: (% +/-)	15%	\$ 3,539.87
Contingency: (% +/-)	20%	\$ 4,719.83
Estimated Project Cost:	\$	30,000.00

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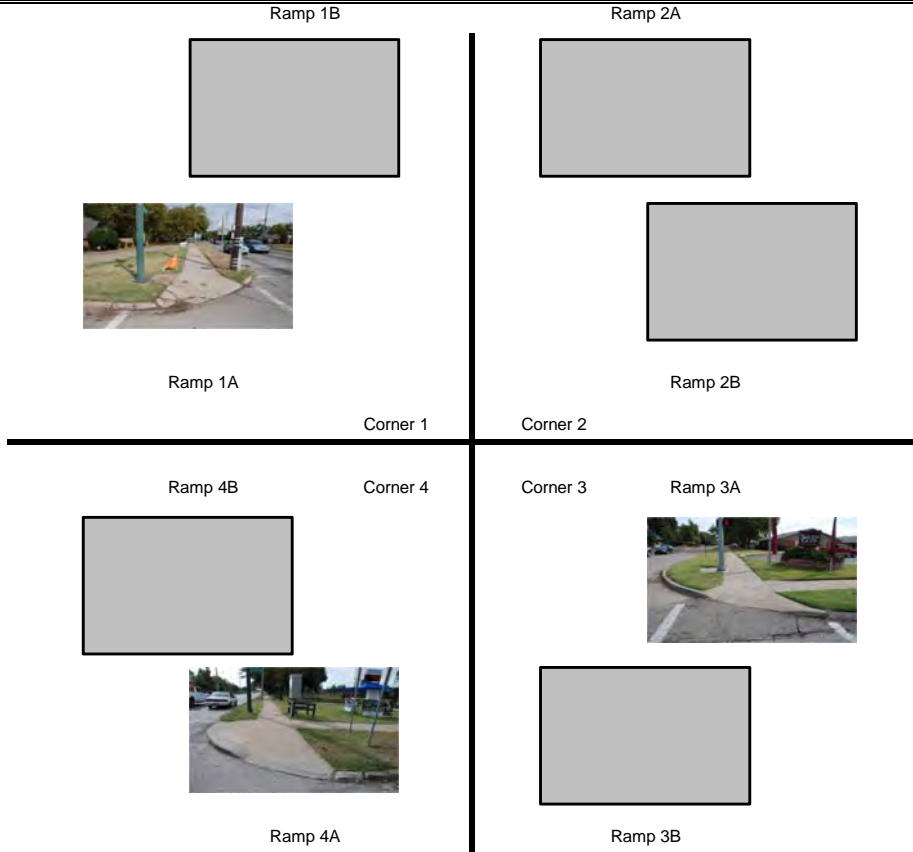
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Install handicap ramp
Flare cross slope is greater than 10%	X				X			X	
Ramp running slope is greater than 8.33%	X				X			X	
Ramp cross slope is greater than 2%					X			X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X				X			X	Install colored truncated domes
No color contrast at base of ramp	X				X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X							X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X							X	Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			H	H



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E Skelly Dr (EB)

GPS ID: 0148

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	5	EA	\$ 500.00	\$ 2,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,612.40
Engineering: (% +/-)	15%	\$ 2,737.54
Contingency: (% +/-)	20%	\$ 3,650.06
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X				X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Skelly Dr (WB) and S Peoria Ave

GPS ID: 0149

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	39.45	SY	\$ 10.00	\$ 394.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	39.45	SY	\$ 80.00	\$ 3,156.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	7	EA	\$ 500.00	\$ 3,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,757.10
Engineering: (% +/-)	15%	\$ 2,246.96
Contingency: (% +/-)	20%	\$ 2,995.94
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed			X		X				Remove and replace ramp
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"			X		X				Remove and replace ramp
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp	X	X	X		X		X		Install colored truncated domes
No color contrast at base of ramp	X	X	X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Relocate pedestrian push button
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									Install clear floor space
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 45th PI (west)

GPS ID: 0150

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	54.46	SY	\$ 10.00	\$ 544.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	54.46	SY	\$ 80.00	\$ 4,356.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	5	EA	\$ 500.00	\$ 2,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,008.00
Engineering: (% +/-)	15%	\$ 1,710.86
Contingency: (% +/-)	20%	\$ 2,281.14
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	-	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	No	N/A	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%								X	Remove and replace ramp
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X				X		X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H				M		M	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Peoria Ave

GPS ID: 0151

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	86.65	SY	\$ 10.00	\$ 866.50
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	86.65	SY	\$ 80.00	\$ 6,932.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	11	EA	\$ 500.00	\$ 5,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,921.60
Engineering: (% +/-)	15%	\$ 4,319.31
Contingency: (% +/-)	20%	\$ 5,759.09
Estimated Project Cost:	\$	37,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X	X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X	X	X		X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	M	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 36th St and S Peoria Ave

GPS ID: 0152

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	98.33	SY	\$ 10.00	\$ 983.30
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	98.33	SY	\$ 80.00	\$ 7,866.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,472.80
Engineering: (% +/-)	15%	\$ 3,225.94
Contingency: (% +/-)	20%	\$ 4,301.26
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%	X	X		X	X	X			
Ramp cross slope is greater than 2%		X		X	X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X						X	X	
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	M	M	M	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 35th St

GPS ID: 0153

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	68.36	SY	\$ 10.00	\$ 683.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	68.36	SY	\$ 80.00	\$ 5,468.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,759.00
Engineering: (% +/-)	15%	\$ 2,246.14
Contingency: (% +/-)	20%	\$ 2,994.86
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M	M	H	M	M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 33rd PI

GPS ID: 0154

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.34	SY	\$ 10.00	\$ 483.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.34	SY	\$ 80.00	\$ 3,867.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,760.50
Engineering: (% +/-)	15%	\$ 2,245.50
Contingency: (% +/-)	20%	\$ 2,994.00
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	-	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	Yes	N/A	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%		X							Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X	X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist		X							Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	M		M		C	C	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S Peoria Ave

GPS ID: 0155

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,612.40
Engineering: (% +/-)	15%	\$ 2,308.97
Contingency: (% +/-)	20%	\$ 3,078.63
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X							X	
Ramp does not exist and is needed			X					X	Remove and replace ramp
Flare cross slope is greater than 10%			X		X			X	
Ramp running slope is greater than 8.33%	X				X			X	
Ramp cross slope is greater than 2%	X		X		X			X	
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp									Relocate pedestrian push button
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	
No pedestrian push buttons									Install clear floor space
Pedestrian pushbutton diameter is not 2'									
Relocate pedestrian push button	X								
Relocate pedestrian push button	X								Install clear floor space
Relocate pedestrian push button									
Relocate pedestrian push button									Install clear floor space
Relocate pedestrian push button	X		X		X			X	
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X			X	
Ramp transition onto roadway is greater than 0.25'									Install clear floor space
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									Install clear floor space
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 21st St

GPS ID: 0157

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,812.70
Engineering: (% +/-)	15%	\$ 2,651.70
Contingency: (% +/-)	20%	\$ 3,535.60
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

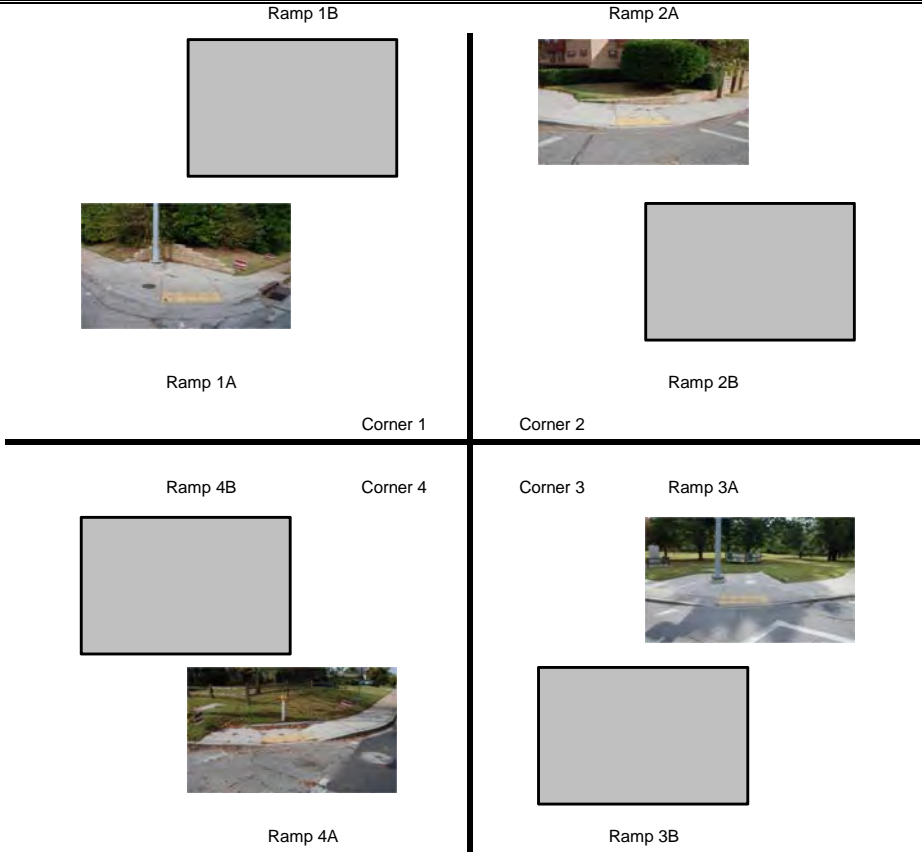
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X				X				
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp									Relocate pedestrian push button
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									Install clear floor space
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X						X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								
Ramp transition onto roadway is greater than 0.25"									Ramp Priority:
Ponding occurs at base of ramp					X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 15th St

GPS ID: 0158

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,462.50
Engineering: (% +/-)	15%	\$ 2,801.79
Contingency: (% +/-)	20%	\$ 3,735.71
Estimated Project Cost:	\$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

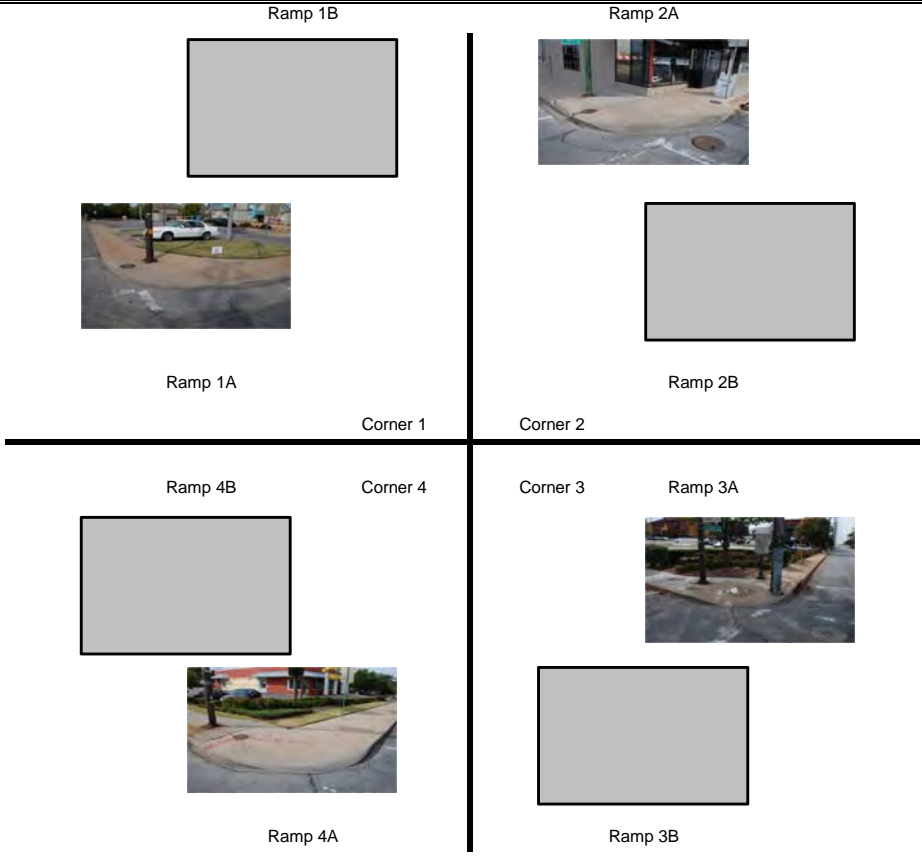
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"							X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



End of Project Description for Project 0158 Intersection of S Peoria Ave and E 15th St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Peoria Ave

GPS ID: 0159

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,956.50
Engineering: (% +/-)	15%	\$ 3,875.79
Contingency: (% +/-)	20%	\$ 5,167.71
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%									
Ramp width is less than 36"	X				X		X		Install colored truncated domes
Obstruction present in ramp or landing area	X		X		X				
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X				X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Relocate pedestrian push button
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 3rd St and S Peoria Ave

GPS ID: 0160

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	59.99	SY	\$ 10.00	\$ 599.90
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	71.1	SY	\$ 80.00	\$ 5,688.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,004.40
Engineering: (% +/-)	15%	\$ 3,855.26
Contingency: (% +/-)	20%	\$ 5,140.34
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

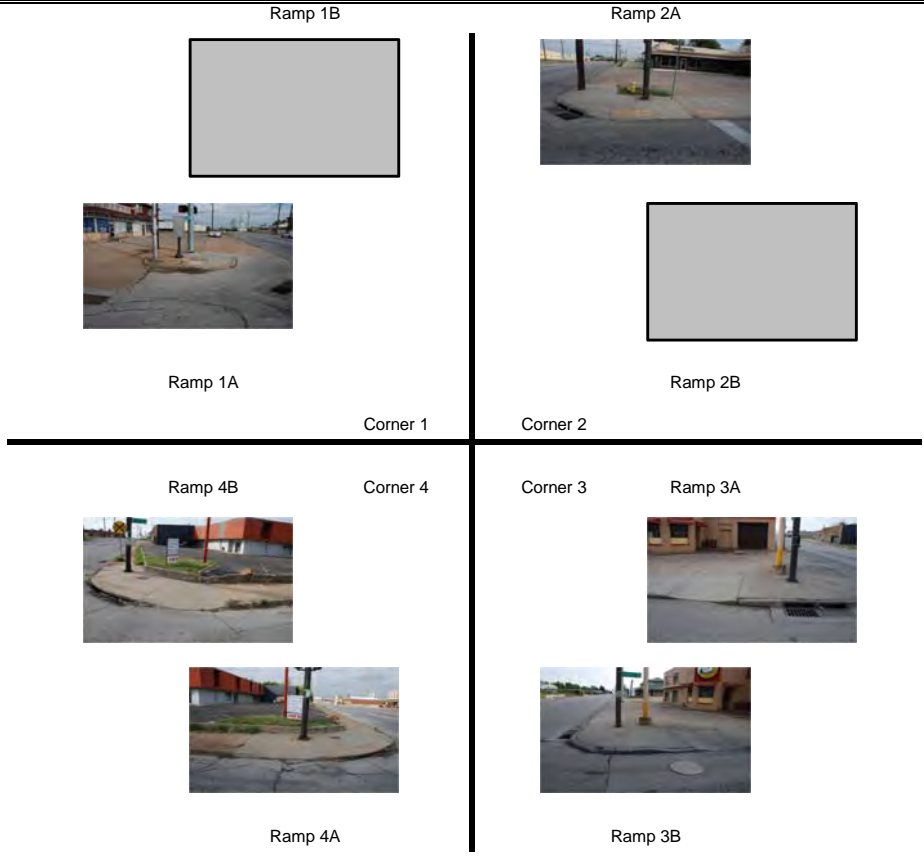
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X		X	X	X	X	
Ramp running slope is greater than 8.33%			X		X	X	X	X	
Ramp cross slope is greater than 2%			X				X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X				X	X	
No textured surface at base of ramp					X	X	X	X	Install colored truncated domes
No color contrast at base of ramp					X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X	X	X	X	Regrade roadway
Ponding occurs at base of ramp					X	X			
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E Admiral Blvd

GPS ID: 0161

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	71.1	SY	\$ 10.00	\$ 711.00
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	71.1	SY	\$ 80.00	\$ 5,688.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,718.80
Engineering: (% +/-)	15%	\$ 4,406.23
Contingency: (% +/-)	20%	\$ 5,874.97
Estimated Project Cost:	\$	37,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X		X	X	
Ramp running slope is greater than 8.33%	X		X	X	X		X	X	
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X	X				
No textured surface at base of ramp	X		X	X	X		X	X	Install colored truncated domes
No color contrast at base of ramp	X		X	X	X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X		X	X	Install landing area
No pedestrian push buttons							X	X	Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"					X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X	X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Archer St and N Peoria Ave

GPS ID: 0162

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	49.99	SY	\$ 10.00	\$ 499.90
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,801.10
Engineering: (% +/-)	15%	\$ 2,656.67
Contingency: (% +/-)	20%	\$ 3,542.23
Estimated Project Cost:	\$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	No	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X	X	X				X		
Ramp running slope is greater than 8.33%	X	X	X				X		
Ramp cross slope is greater than 2%			X	X			X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X	X	X				X		
No textured surface at base of ramp	X	X	X				X		
No color contrast at base of ramp	X	X	X				X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Peoria Ave and E Virgin St

GPS ID: 0163

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	58.88	SY	\$ 10.00	\$ 588.80
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	58.88	SY	\$ 80.00	\$ 4,710.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,815.70
Engineering: (% +/-)	15%	\$ 3,507.56
Contingency: (% +/-)	20%	\$ 4,676.74
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

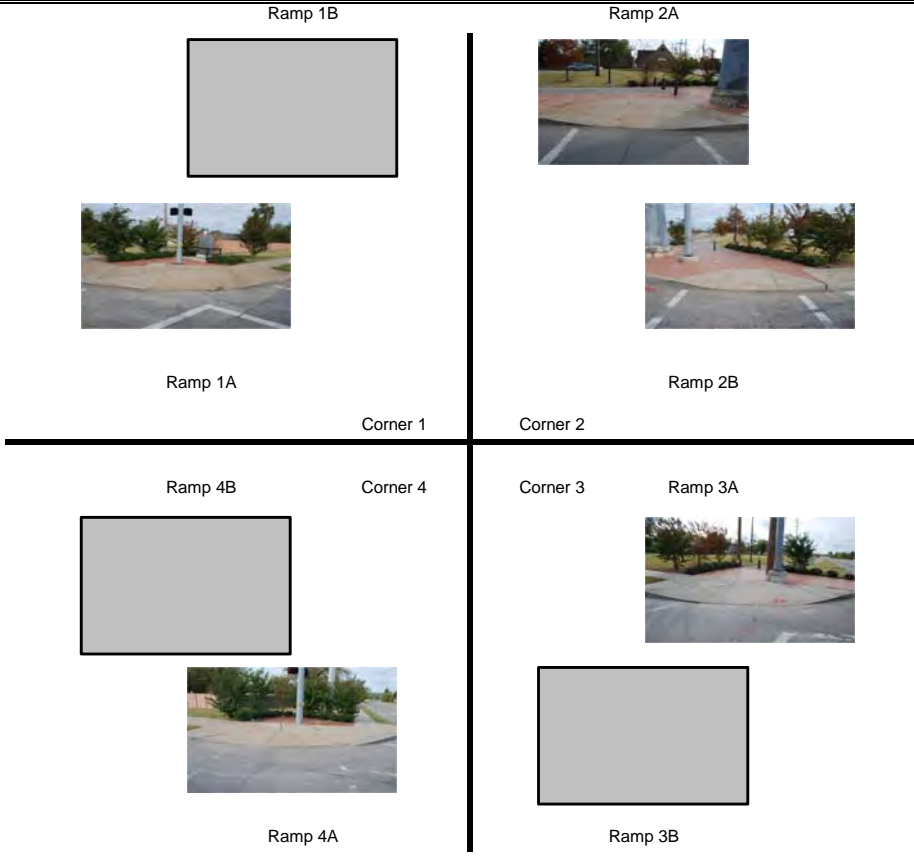
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X	X	X		X		
Ramp cross slope is greater than 2%	X		X	X	X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X		X	X	X		X		Install colored truncated domes
No color contrast at base of ramp	X		X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X	X	X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Peoria Ave and E Pine St

GPS ID: 0164

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,112.50
Engineering: (% +/-)	15%	\$ 2,951.79
Contingency: (% +/-)	20%	\$ 3,935.71
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

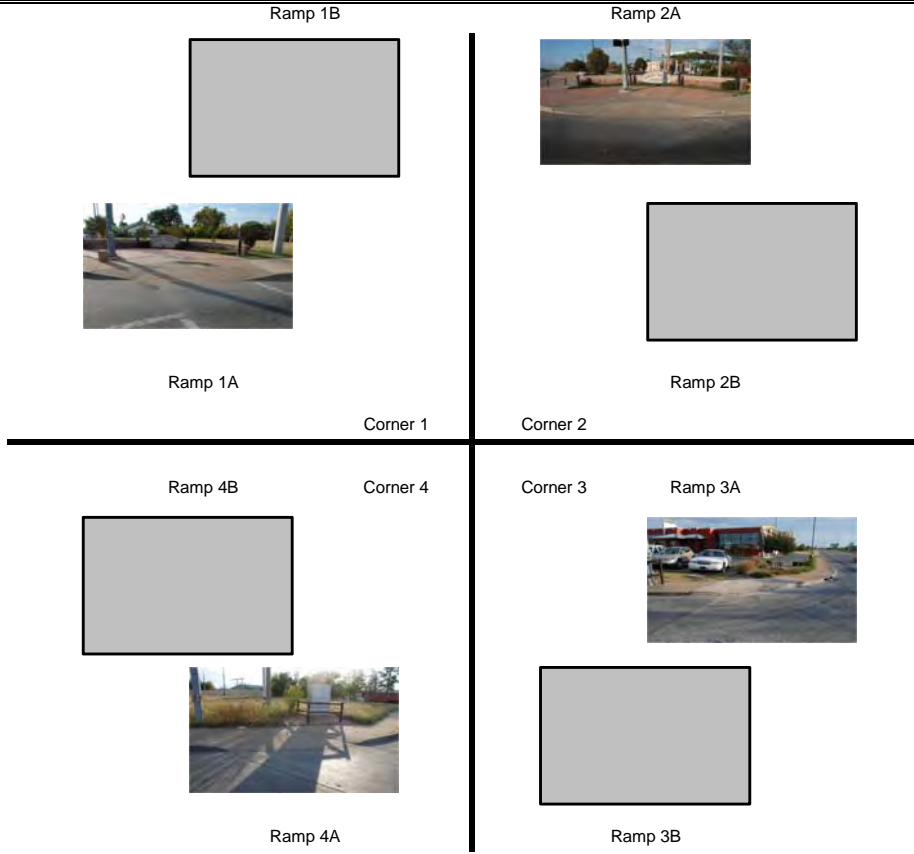
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X			X					
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install landing area
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Remove and replace pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist		X	X	X					
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Cincinnati Ave

GPS ID: 0165

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,234.30
Engineering: (% +/-)	15%	\$ 3,756.73
Contingency: (% +/-)	20%	\$ 5,008.97
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

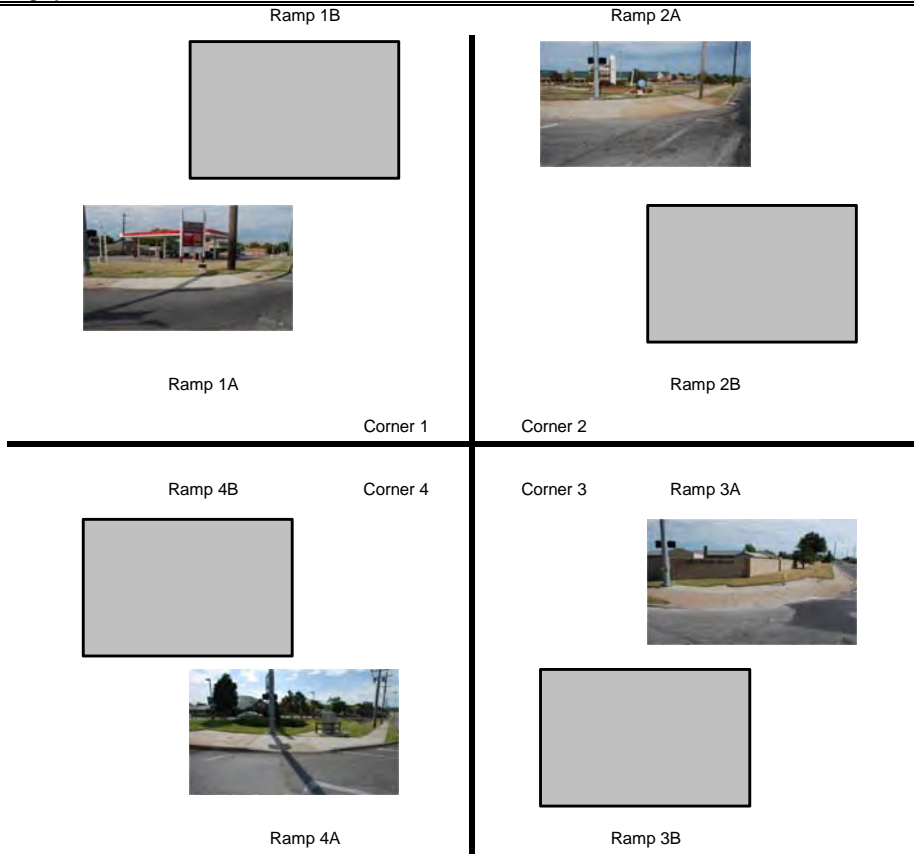
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed			X				X		Remove and replace ramp
Flare cross slope is greater than 10%			X				X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Greenwood Ave

GPS ID: 0166

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,240.30
Engineering: (% +/-)	15%	\$ 2,468.44
Contingency: (% +/-)	20%	\$ 3,291.26
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

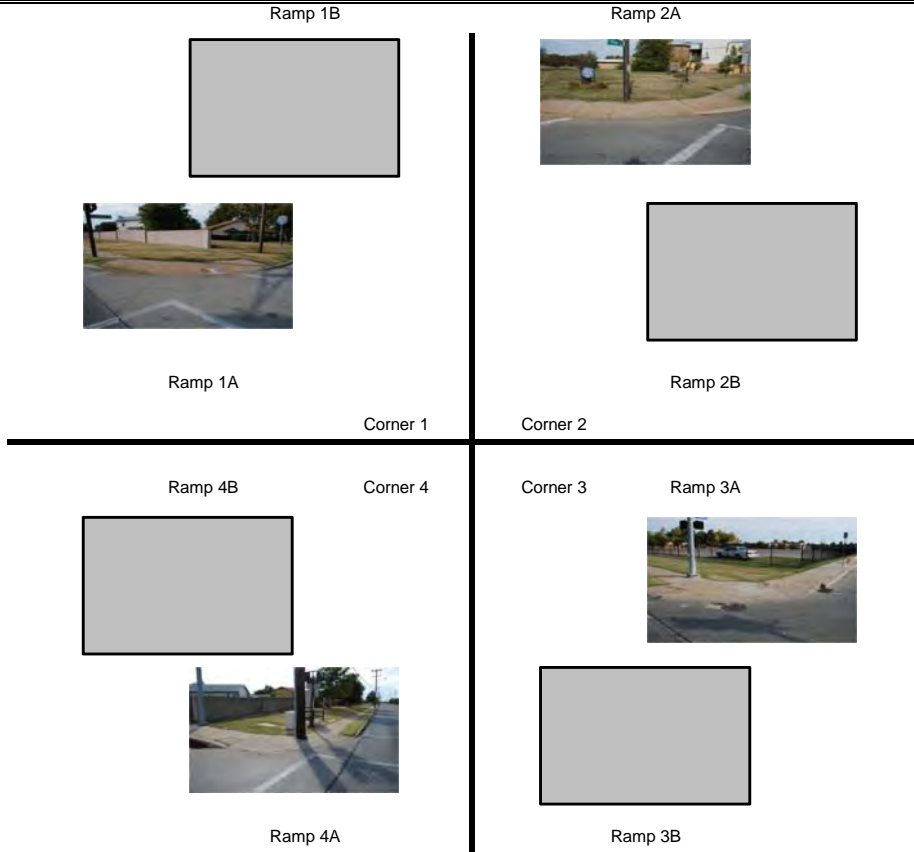
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk				X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk				X		X		
Ramp does not exist and is needed				X		X		Remove and replace ramp
Flare cross slope is greater than 10%				X		X		
Ramp running slope is greater than 8.33%	X					X		
Ramp cross slope is greater than 2%			X			X		
Ramp width is less than 36"								Install colored truncated domes
Obstruction present in ramp or landing area				X		X		
No textured surface at base of ramp	X		X		X	X		Install landing area
No color contrast at base of ramp	X		X		X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X		Remove and replace pedestrian push button
No pedestrian push buttons			X			X		
Pedestrian pushbutton diameter is not 2"			X			X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X	X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X			X		
Ramp transition onto roadway is greater than 0.25"								
Ponding occurs at base of ramp								
Ramp not needed due to intersection geometry								
Ramp Priority:	H		H		H		H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Midland Ave

GPS ID: 0167

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,784.00
Engineering: (% +/-)	15%	\$ 3,092.57
Contingency: (% +/-)	20%	\$ 4,123.43
Estimated Project Cost:	\$	25,000.00

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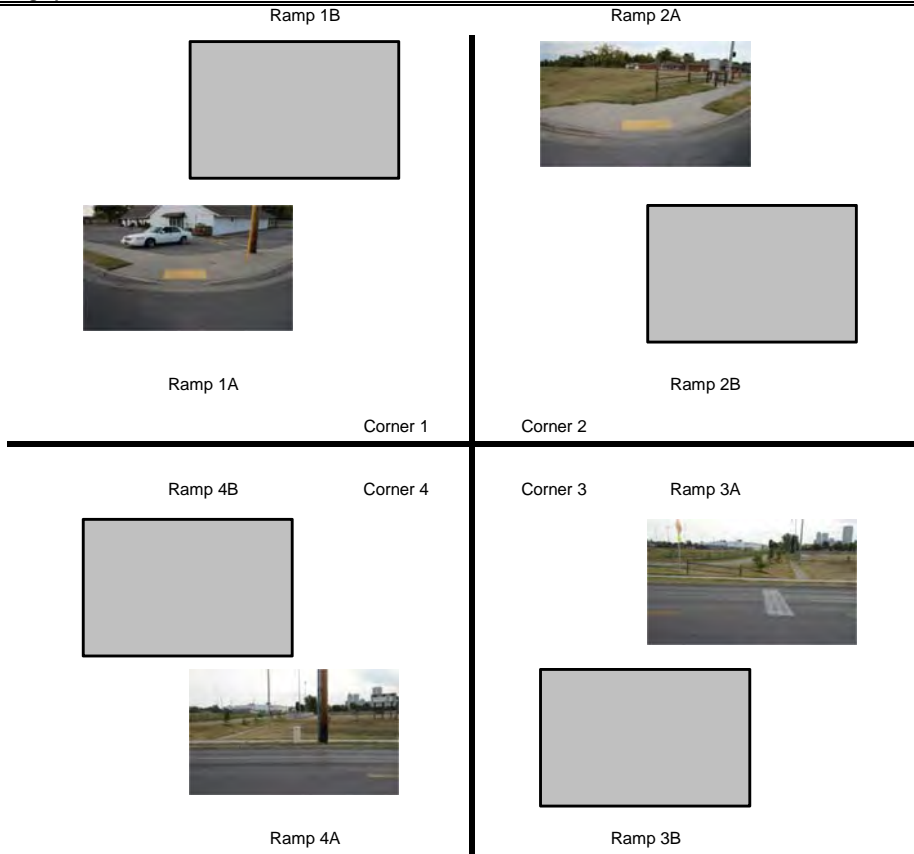
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Lansing Ave

GPS ID: 0168

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,479.20
Engineering: (% +/-)	15%	\$ 2,366.06
Contingency: (% +/-)	20%	\$ 3,154.74
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

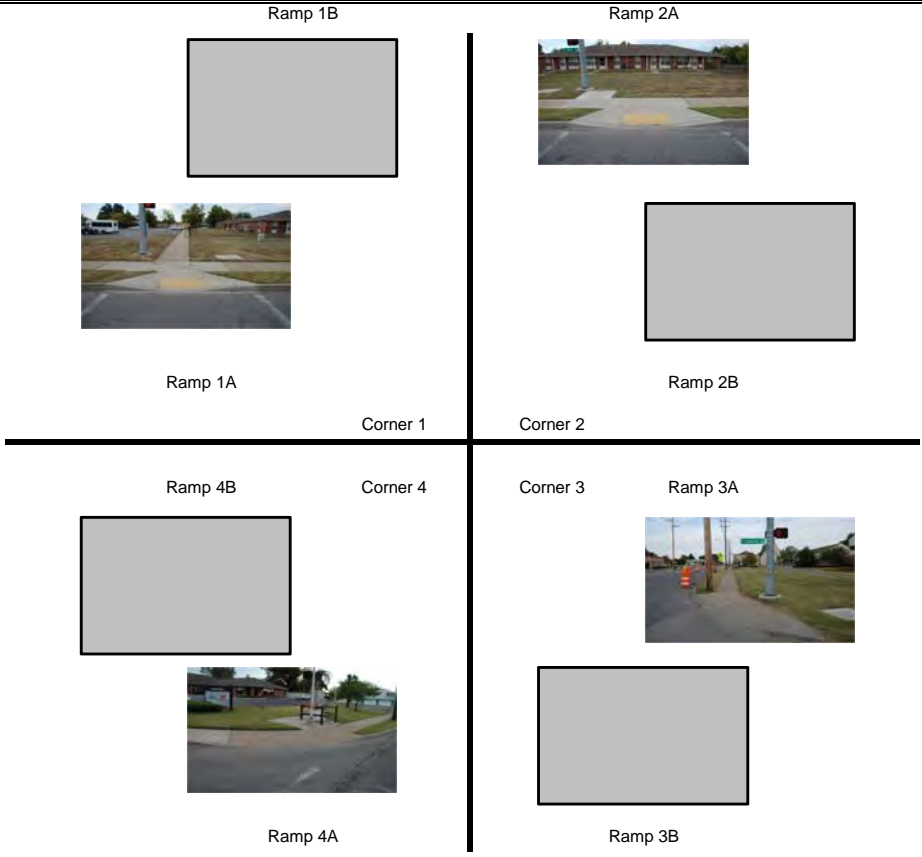
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	-	-	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S Sheridan Rd

GPS ID: 0169

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,212.80
Engineering: (% +/-)	15%	\$ 2,480.23
Contingency: (% +/-)	20%	\$ 3,306.97
Estimated Project Cost:	\$	20,000.00

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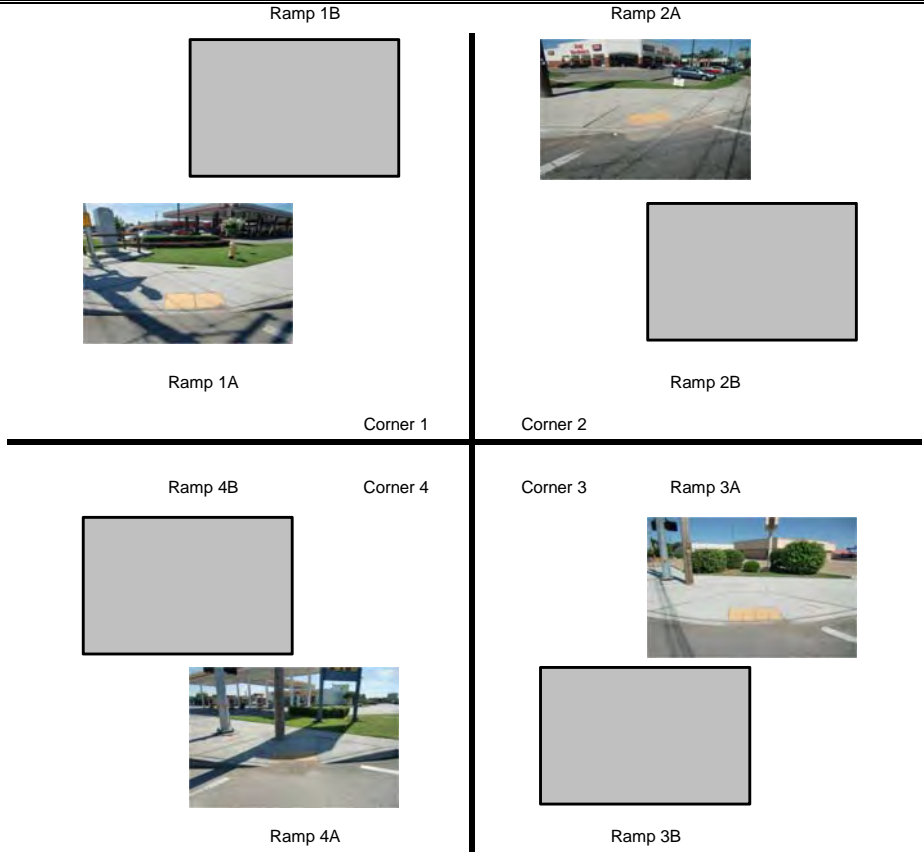
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cincinnati Ave and E 10th St

GPS ID: 0170

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	58.34	SY	\$ 10.00	\$ 583.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	58.34	SY	\$ 80.00	\$ 4,667.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

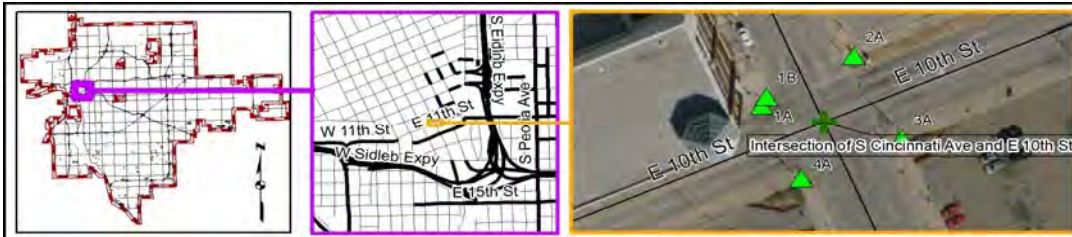
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,763.80
Engineering: (% +/-)	15%	\$ 2,672.66
Contingency: (% +/-)	20%	\$ 3,563.54
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X	X							Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X							
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%		X							
Ramp running slope is greater than 8.33%	X		X		X				Remove and replace ramp
Ramp cross slope is greater than 2%		X							
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X	X	X		X		X		Install colored truncated domes
No color contrast at base of ramp	X	X	X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of E 15th St and S Sheridan Rd

GPS ID: 0172

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,501.40
Engineering: (% +/-)	15%	\$ 2,785.11
Contingency: (% +/-)	20%	\$ 3,713.49
Estimated Project Cost:	\$	25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp	X				X				
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 11th St

GPS ID: 0173

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	37.77	SY	\$ 10.00	\$ 377.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,198.00
Engineering: (% +/-)	15%	\$ 2,486.57
Contingency: (% +/-)	20%	\$ 3,315.43
Estimated Project Cost:	\$	20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Install handicap ramp
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X				
No textured surface at base of ramp	X				X				
No color contrast at base of ramp	X				X				Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X			X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp	X				X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at S Sheridan Rd (north of E 3rd St)

GPS ID: 0175

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON			\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,727.60
Engineering: (% +/-)	15%	\$ 973.89
Contingency: (% +/-)	20%	\$ 1,298.51
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

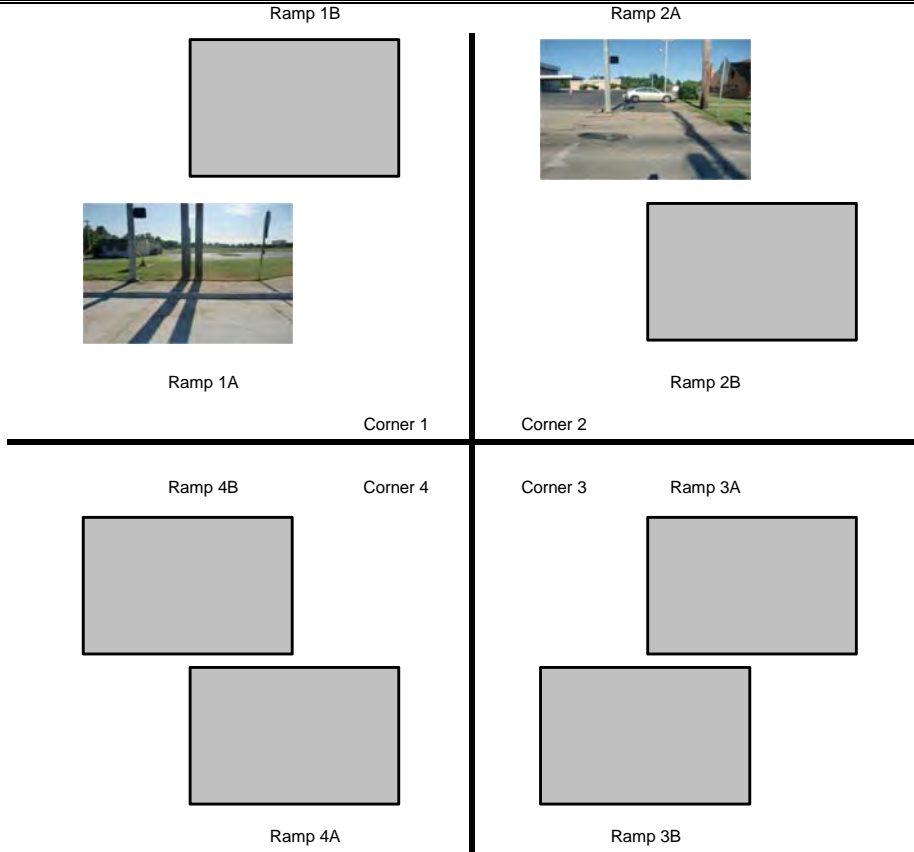
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	-	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and I-244 Ramp

GPS ID: 0176

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,955.20
Engineering: (% +/-)	15%	\$ 2,590.63
Contingency: (% +/-)	20%	\$ 3,454.17
Estimated Project Cost:	\$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E King St (north)

GPS ID: 0177

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	12.22	SY	\$ 10.00	\$ 122.20
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	23.33	SY	\$ 80.00	\$ 1,866.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,241.90
Engineering: (% +/-)	15%	\$ 1,610.61
Contingency: (% +/-)	20%	\$ 2,147.49
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

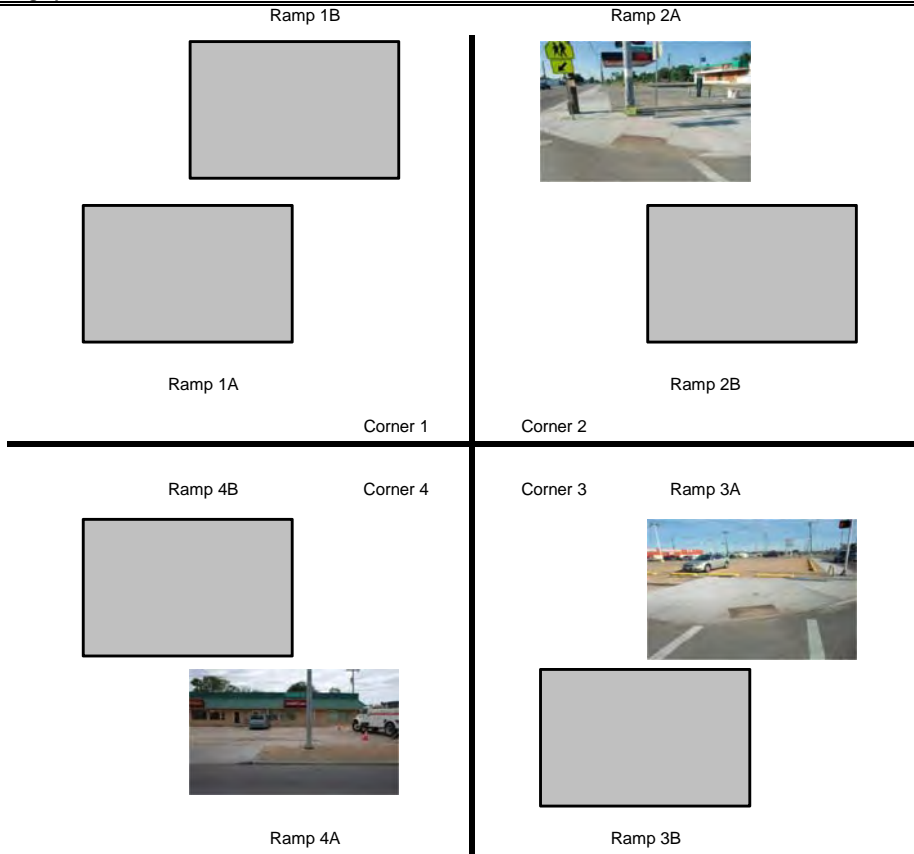
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X						
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons			X						
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to intersection geometry			X		X				
Ramp Priority:	H	H	M						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Pine St

GPS ID: 0178

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	87.22	SY	\$ 10.00	\$ 872.20
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	87.22	SY	\$ 80.00	\$ 6,977.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	5	EA	\$ 100.00	\$ 500.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	7	LS	\$ 1,000.00	\$ 7,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,919.60
Engineering: (% +/-)	15%	\$ 4,320.17
Contingency: (% +/-)	20%	\$ 5,760.23
Estimated Project Cost:	\$	38,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk				X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X			X	X	X		
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X			X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X			X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X			X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X	X	Regrade roadway
Ponding occurs at base of ramp	X	X	X	X			X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	M	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St S and S Utica Ave

GPS ID: 0179

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	26.66	SY	\$ 10.00	\$ 266.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,783.60
Engineering: (% +/-)	15%	\$ 2,235.60
Contingency: (% +/-)	20%	\$ 2,980.80
Estimated Project Cost:	\$	20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						Install handicap ramp
Ramp does not exist and is needed	X						X		
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"			X	X					
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H		H		H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 19th St

GPS ID: 0180

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	58.88	SY	\$ 10.00	\$ 588.80
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	58.88	SY	\$ 80.00	\$ 4,710.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,251.70
Engineering: (% +/-)	15%	\$ 2,463.56
Contingency: (% +/-)	20%	\$ 3,284.74
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X			
Ramp running slope is greater than 8.33%			X	X	X	X			
Ramp cross slope is greater than 2%	X		X	X	X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X				
No textured surface at base of ramp	X		X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X		X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X	X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 15th St

GPS ID: 0181

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,448.40
Engineering: (% +/-)	15%	\$ 2,807.83
Contingency: (% +/-)	20%	\$ 3,743.77
Estimated Project Cost:	\$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%	X				X	X			
Ramp cross slope is greater than 2%			X			X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 14th St

GPS ID: 0182

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,450.30
Engineering: (% +/-)	15%	\$ 2,378.44
Contingency: (% +/-)	20%	\$ 3,171.26
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

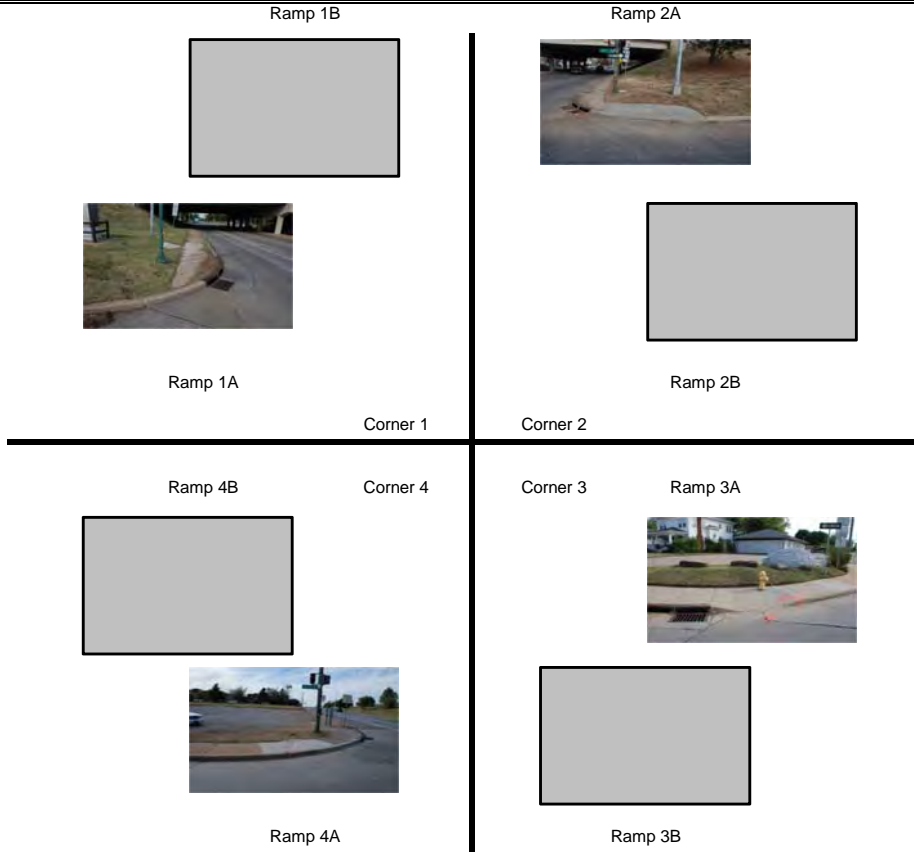
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 13th Pl and S Utica Ave

GPS ID: 0183

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,761.60
Engineering: (% +/-)	15%	\$ 2,245.03
Contingency: (% +/-)	20%	\$ 2,993.37
Estimated Project Cost:	\$	20,000.00

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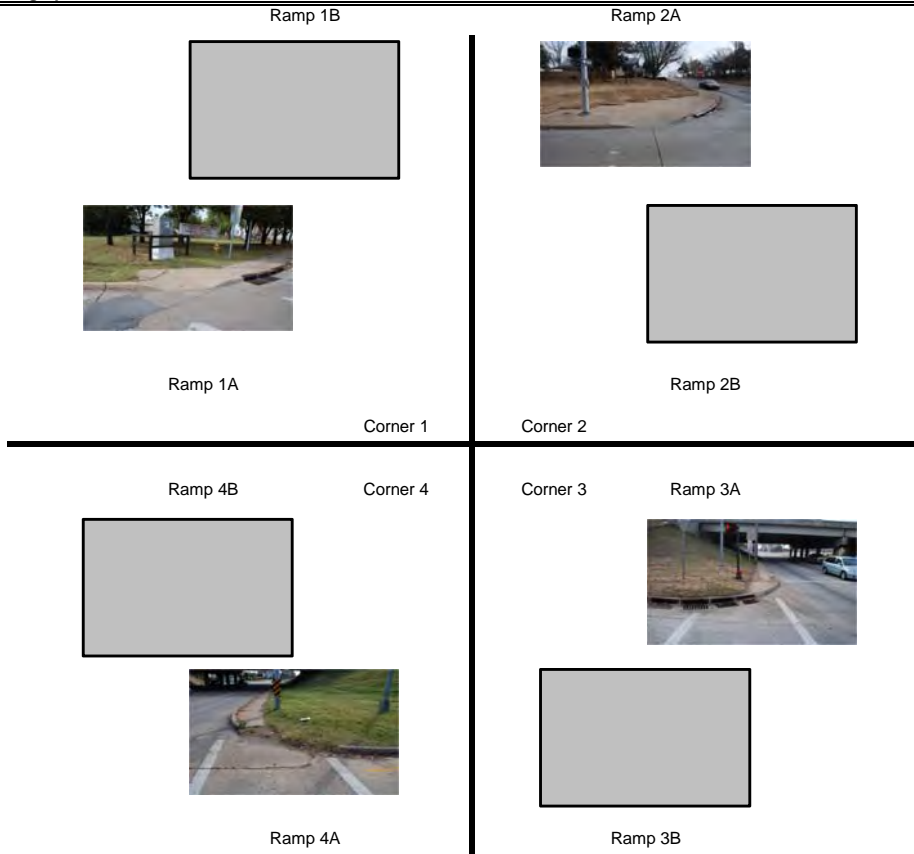
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 12th St

GPS ID: 0184

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	71.1	SY	\$ 10.00	\$ 711.00
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	71.1	SY	\$ 80.00	\$ 5,688.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	12	EA	\$ 100.00	\$ 1,200.00
9	PEDESTRIAN PUSH BUTTON	12	EA	\$ 350.00	\$ 4,200.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	30,054.80
Engineering: (% +/-)	15%	\$ 4,690.80
Contingency: (% +/-)	20%	\$ 6,254.40
Estimated Project Cost:	\$	41,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X	X	X			Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X	X	X			
Ramp does not exist and is needed			X	X	X	X			Remove and replace ramp
Flare cross slope is greater than 10%	X		X	X	X	X			
Ramp running slope is greater than 8.33%	X		X	X	X	X			
Ramp cross slope is greater than 2%	X		X	X	X	X			Remove and replace ramp
Ramp width is less than 36"	X		X	X	X	X			
Obstruction present in ramp or landing area			X	X	X	X			Install landing area
No textured surface at base of ramp	X		X	X	X	X			
No color contrast at base of ramp	X		X	X	X	X			Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X			
No pedestrian push buttons			X	X	X	X			Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X	X	X	X			
Pedestrian pushbutton height is greater than 42"	X		X	X	X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X	X	X			
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X	X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X	X	X	X			
Ponding occurs at base of ramp	X		X	X	X	X			Regrade roadway
Ramp not needed due to intersection geometry			X	X	X	X			
Ramp Priority:	H		H	H	H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of S Utica Ave and E 11th St

GPS ID: 0185

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	57.77	SY	\$ 10.00	\$ 577.70
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	57.77	SY	\$ 80.00	\$ 4,621.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,959.80
Engineering: (% +/-)	15%	\$ 3,874.37
Contingency: (% +/-)	20%	\$ 5,165.83
Estimated Project Cost:	\$	33,000.00

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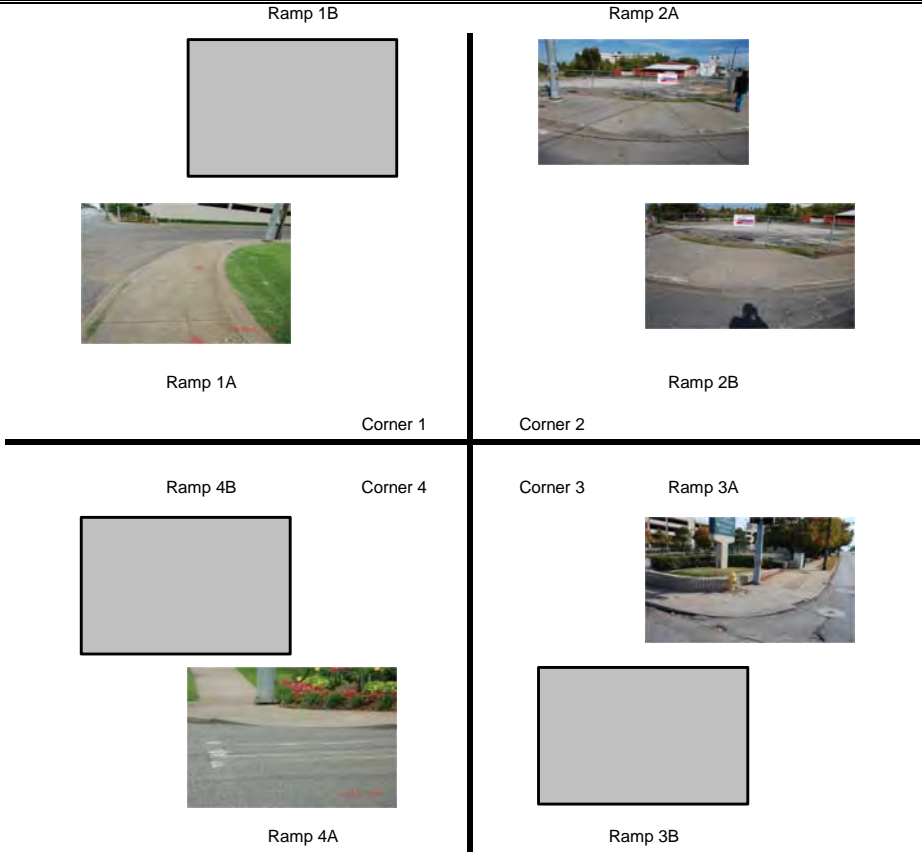
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X			X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X	X			X		
Ramp cross slope is greater than 2%	X			X			X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X	X	X		X		Install colored truncated domes
No color contrast at base of ramp	X		X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X				X				Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Utica Ave and E Pine St

GPS ID: 0186

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,012.50
Engineering: (% +/-)	15%	\$ 2,566.07
Contingency: (% +/-)	20%	\$ 3,421.43
Estimated Project Cost:	\$	23,000.00

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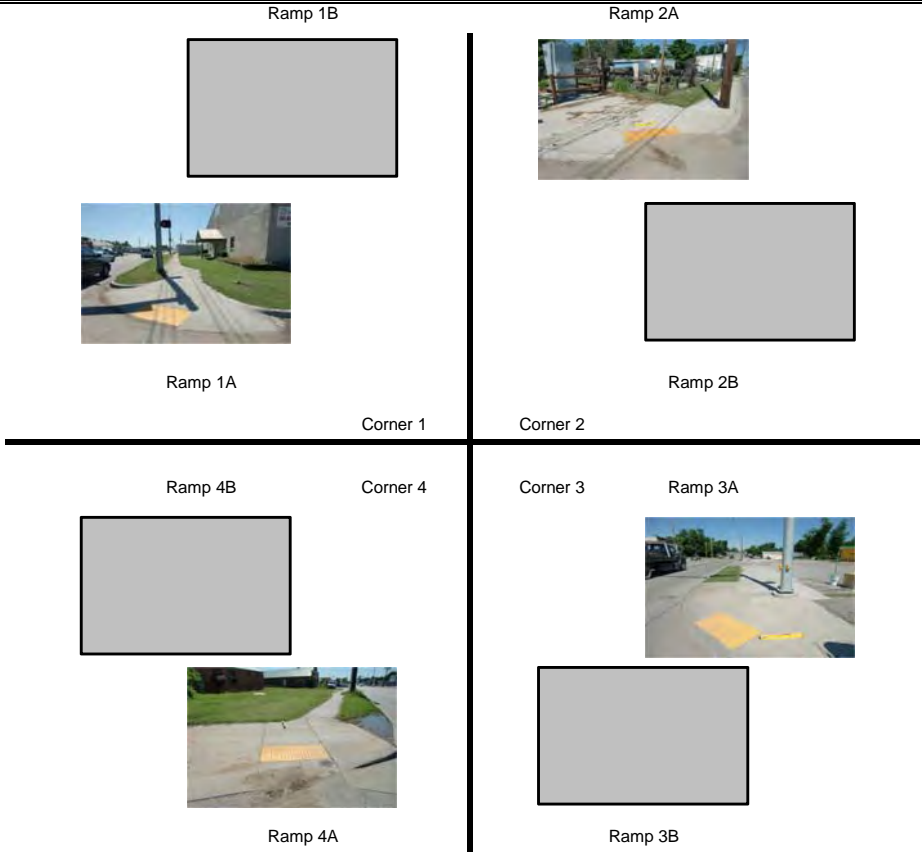
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp			X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 68th St (west)

GPS ID: 0187

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

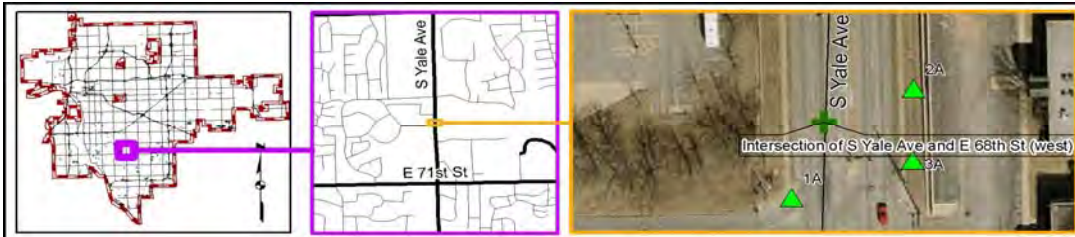
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,240.30
Engineering: (% +/-)	15%	\$ 2,897.01
Contingency: (% +/-)	20%	\$ 3,862.69
Estimated Project Cost:	\$	26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X						X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X				X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 66th St and S Yale Ave

GPS ID: 0188

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,350.30
Engineering: (% +/-)	15%	\$ 2,849.87
Contingency: (% +/-)	20%	\$ 3,799.83
Estimated Project Cost:	\$	25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 55th PI

GPS ID: 0189

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	29.45	SY	\$ 10.00	\$ 294.50
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,731.40
Engineering: (% +/-)	15%	\$ 3,115.11
Contingency: (% +/-)	20%	\$ 4,153.49
Estimated Project Cost:	\$	26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk								X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk								X	Install handicap ramp
Ramp does not exist and is needed			X	X					
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X		X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 51st St

GPS ID: 0190

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,112.60
Engineering: (% +/-)	15%	\$ 3,380.31
Contingency: (% +/-)	20%	\$ 4,507.09
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

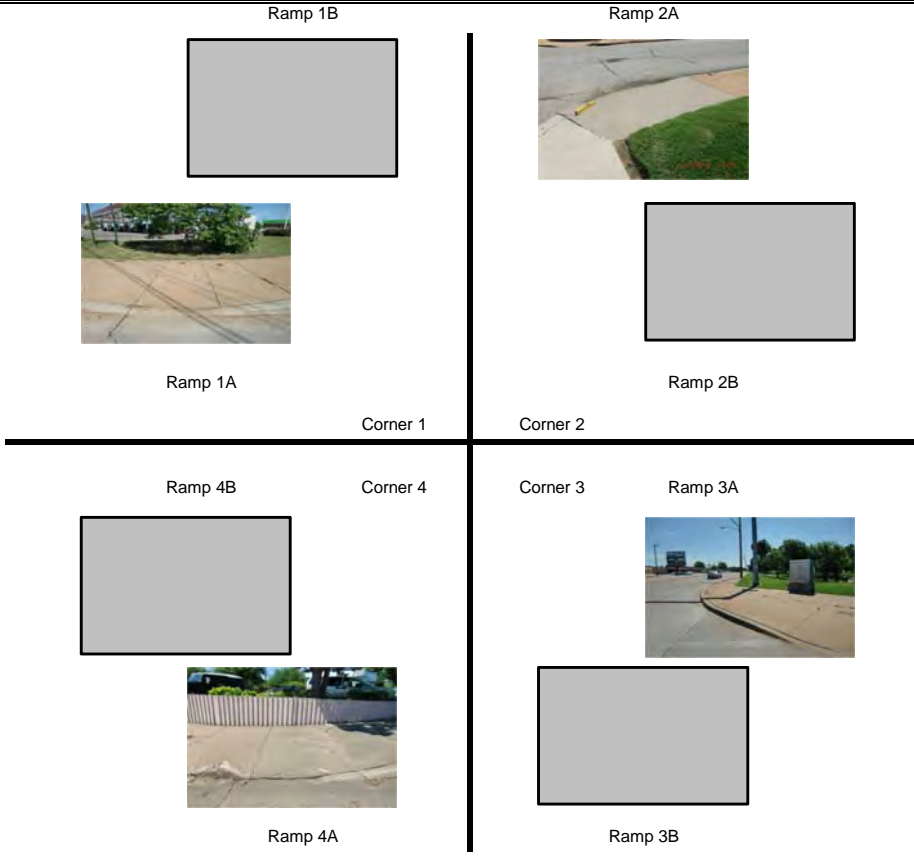
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X	X		X			
Ramp running slope is greater than 8.33%			X			X			
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X		X	X					
No textured surface at base of ramp	X		X	X		X			
No color contrast at base of ramp	X		X	X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X		X			Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X	X					
Pedestrian pushbutton height is greater than 42"	X		X	X		X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X					Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H		H		H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 41st St

GPS ID: 0191

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,212.50
Engineering: (% +/-)	15%	\$ 2,480.36
Contingency: (% +/-)	20%	\$ 3,307.14
Estimated Project Cost:	\$	21,000.00

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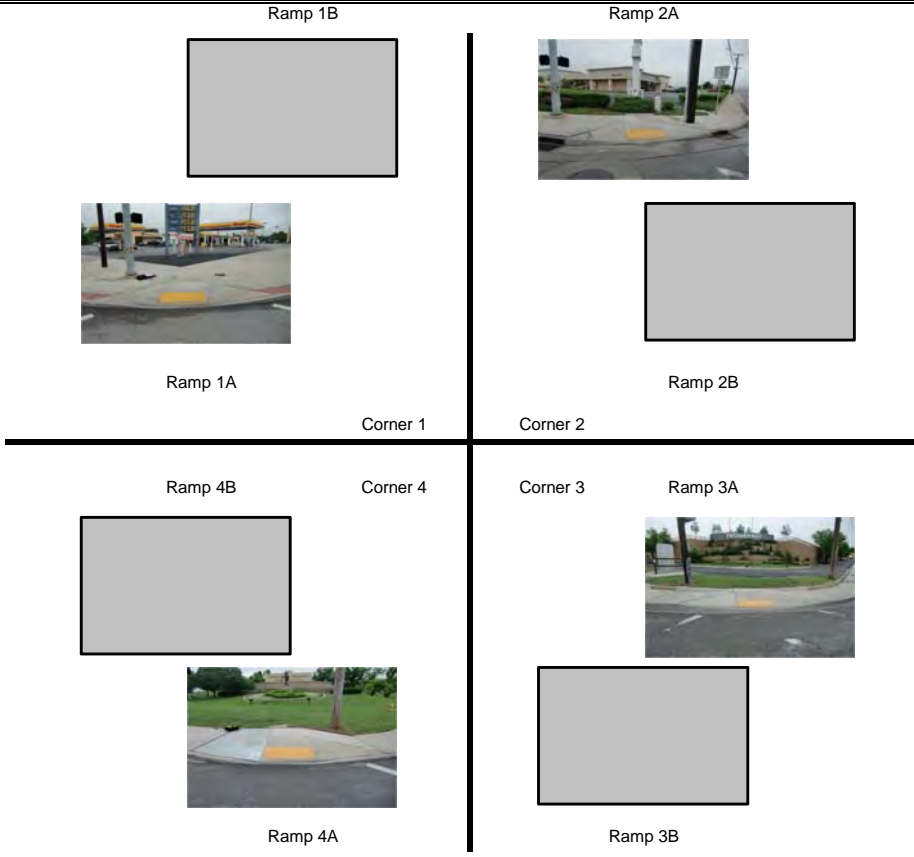
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X				X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 21st St

GPS ID: 0192

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,212.80
Engineering: (% +/-)	15%	\$ 3,337.37
Contingency: (% +/-)	20%	\$ 4,449.83
Estimated Project Cost:	\$	29,000.00

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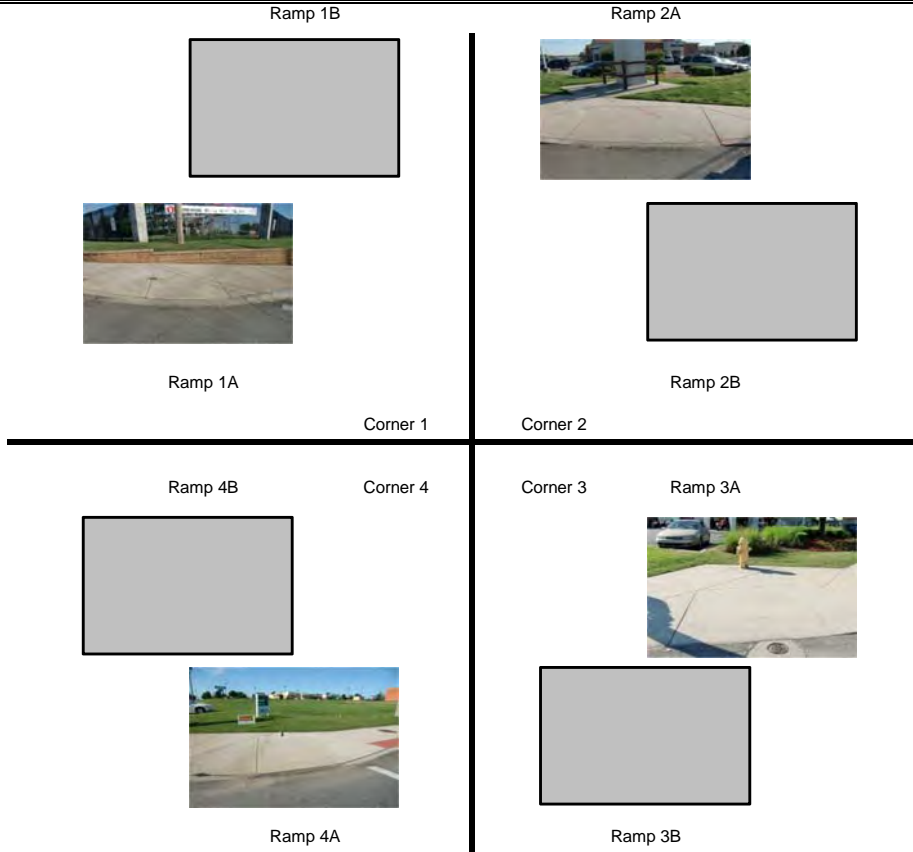
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X			X	X				
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"			X						
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 15th St

GPS ID: 0193

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,212.50
Engineering: (% +/-)	15%	\$ 3,766.07
Contingency: (% +/-)	20%	\$ 5,021.43
Estimated Project Cost:	\$	32,000.00

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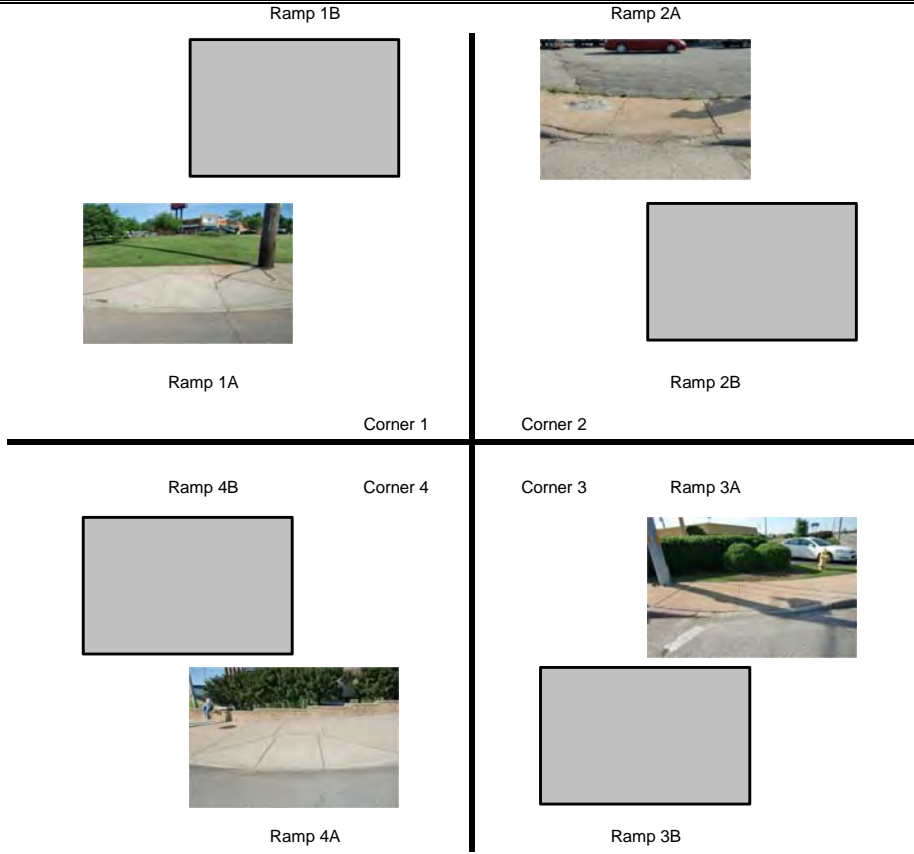
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist		X	X	X	X	X	X	X	
Ramp transition onto roadway is greater than 0.25"			X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp			X	X	X	X	X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of S Yale Ave and E 11th St

GPS ID: 0194

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	62.78	SY	\$ 10.00	\$ 627.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	62.78	SY	\$ 80.00	\$ 5,022.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,863.40
Engineering: (% +/-)	15%	\$ 3,487.11
Contingency: (% +/-)	20%	\$ 4,649.49
Estimated Project Cost:	\$	29,000.00

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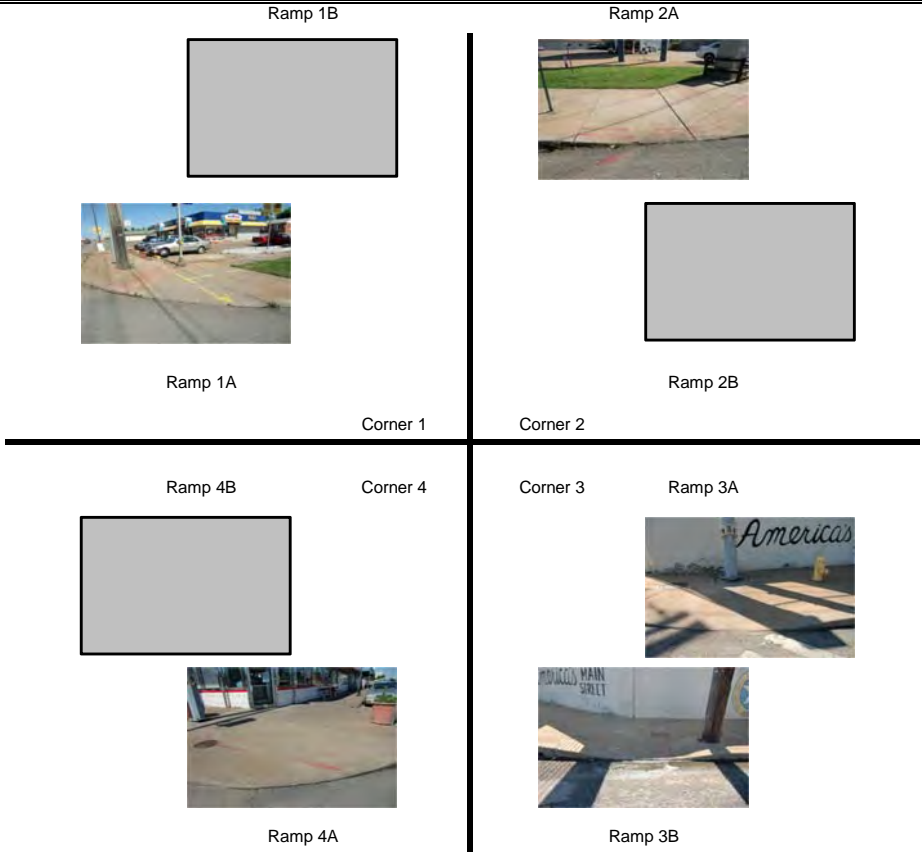
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X	X			Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X	X		X	
Ramp does not exist and is needed			X		X	X		X	Remove and replace ramp
Flare cross slope is greater than 10%			X		X	X		X	
Ramp running slope is greater than 8.33%			X		X	X		X	
Ramp cross slope is greater than 2%			X		X	X		X	
Ramp width is less than 36"					X	X			Install colored truncated domes
Obstruction present in ramp or landing area					X	X			
No textured surface at base of ramp	X		X		X	X		X	Install landing area
No color contrast at base of ramp	X		X		X	X		X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X		X	Remove and replace pedestrian push button
No pedestrian push buttons			X		X	X		X	
Pedestrian pushbutton diameter is not 2"			X		X	X		X	Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X	X		X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X	X		X	
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H	H		H	



End of Project Description for Project 0194 Intersection of S Yale Ave and E 11th St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 4th PI

GPS ID: 0195

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,312.80
Engineering: (% +/-)	15%	\$ 4,151.66
Contingency: (% +/-)	20%	\$ 5,335.54
Estimated Project Cost:	\$	35,000.00

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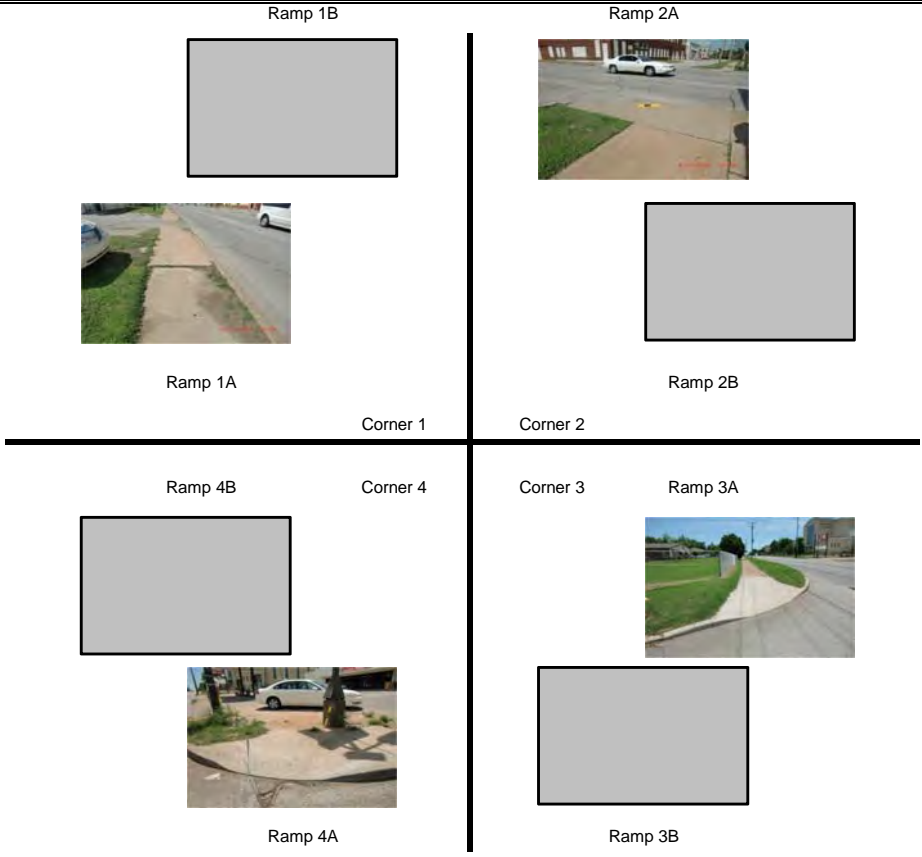
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X		X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and I-244 WB Ramp

GPS ID: 0196

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4.44	SY	\$ 10.00	\$ 44.40
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,654.80
Engineering: (% +/-)	15%	\$ 2,719.37
Contingency: (% +/-)	20%	\$ 3,625.83
Estimated Project Cost:	\$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	N/A	-	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and I-244 WB Ramp

GPS ID: 0197

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4.44	SY	\$ 10.00	\$ 44.40
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,654.80
Engineering: (% +/-)	15%	\$ 2,719.37
Contingency: (% +/-)	20%	\$ 3,625.83
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	-	-	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Yale Ave and E Pine St

GPS ID: 0198

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4.44	SY	\$ 10.00	\$ 44.40
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,304.80
Engineering: (% +/-)	15%	\$ 2,869.37
Contingency: (% +/-)	20%	\$ 3,825.83
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

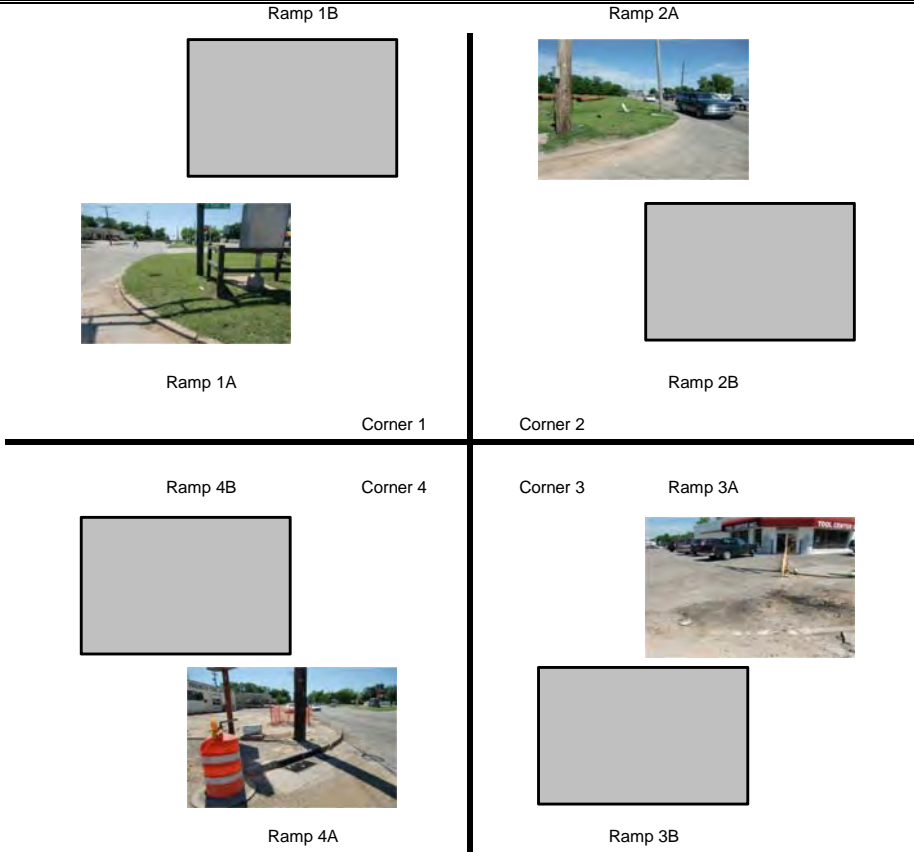
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Ave and I-244 South

GPS ID: 0199

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	5	EA	\$ 500.00	\$ 2,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,990.30
Engineering: (% +/-)	15%	\$ 2,147.01
Contingency: (% +/-)	20%	\$ 2,862.69
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

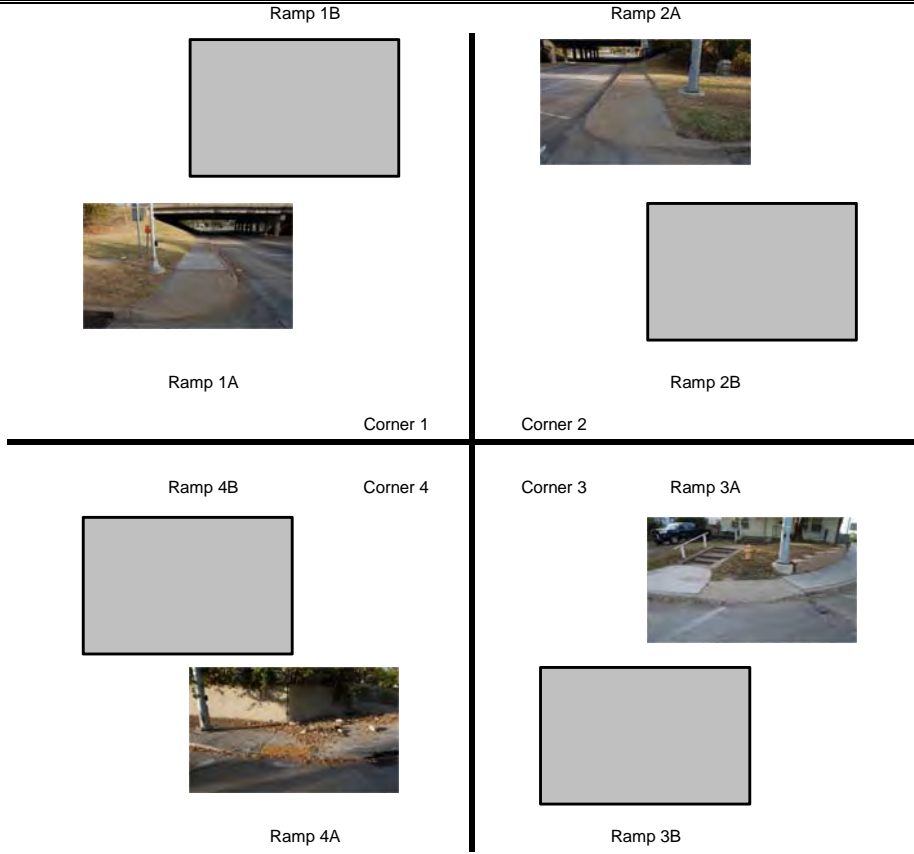
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	-	-	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Ave and I-244 North

GPS ID: 0200

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,979.20
Engineering: (% +/-)	15%	\$ 2,580.34
Contingency: (% +/-)	20%	\$ 3,440.46
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

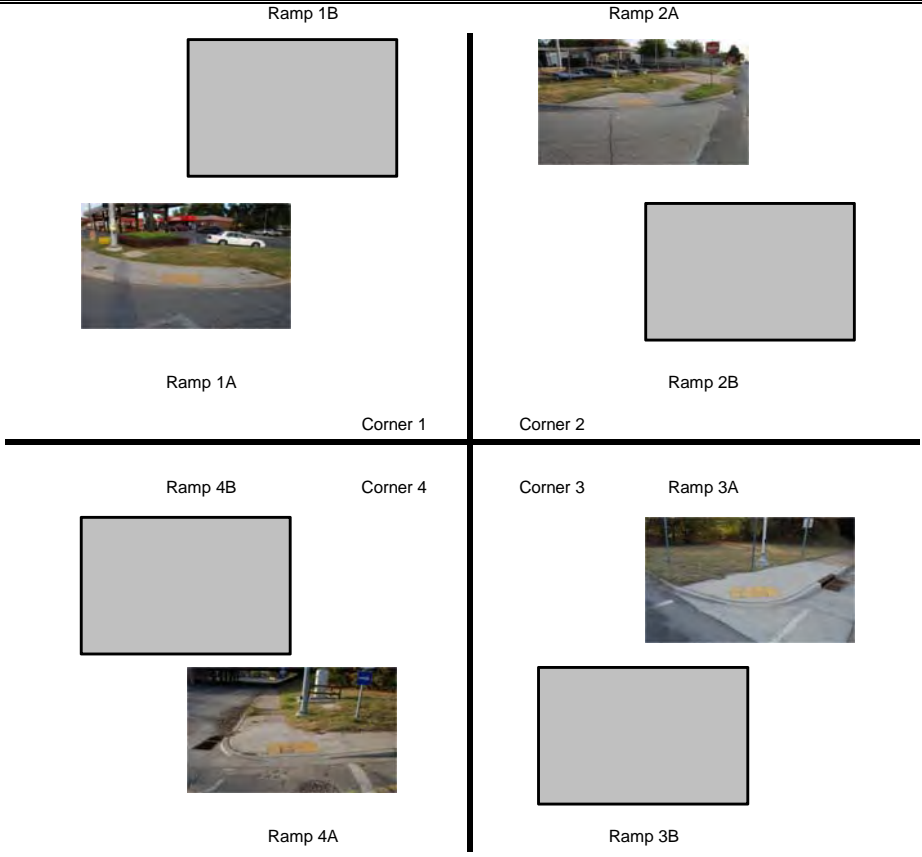
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	N/A	-	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	Worn	Worn	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X		X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"				X		X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at E 46th St N (east of N Frankfort Pl)

GPS ID: 0209

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,706.20
Engineering: (% +/-)	15%	\$ 1,411.63
Contingency: (% +/-)	20%	\$ 1,882.17
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

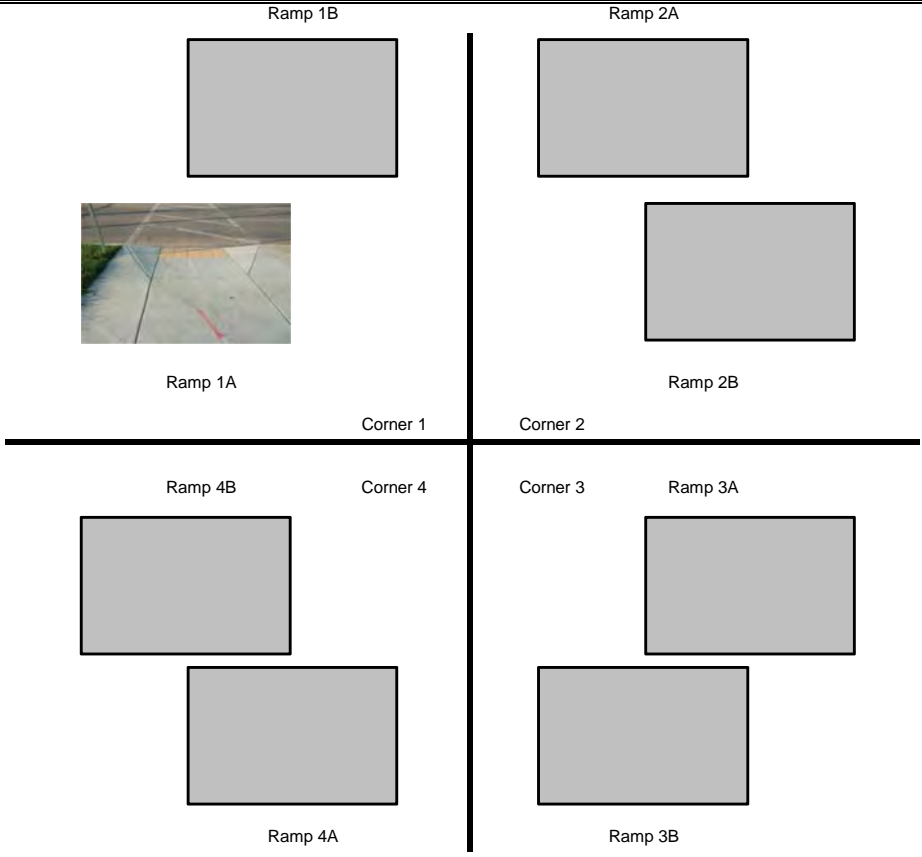
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 5%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	Remove and replace ramp
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X							X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X							X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X							X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and I-244 WB Ramp

GPS ID: 211a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4.44	SY	\$ 10.00	\$ 44.40
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,054.80
Engineering: (% +/-)	15%	\$ 2,547.94
Contingency: (% +/-)	20%	\$ 3,397.26
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and I-244 EB Ramp

GPS ID: 211b

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4.44	SY	\$ 10.00	\$ 44.40
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	12,654.80
Engineering: (% +/-)	15%	\$	2,290.80
Contingency: (% +/-)	20%	\$	3,054.40
Estimated Project Cost:		\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

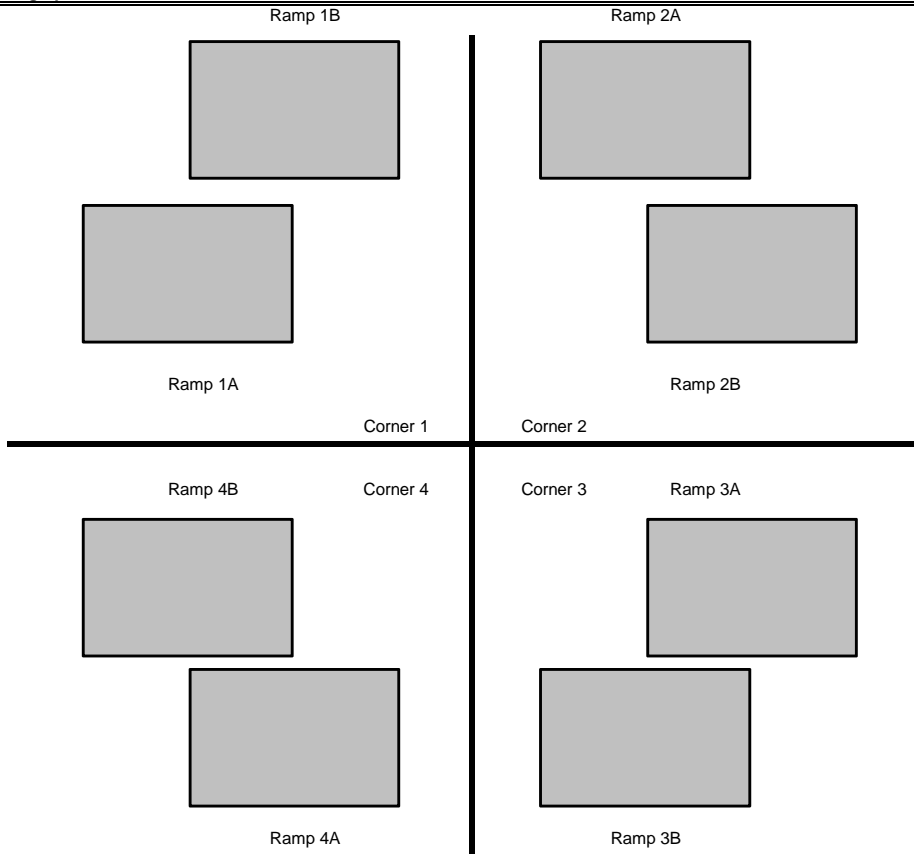
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X				X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Mohawk Blvd and N Cincinnati Ave

GPS ID: 0212

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.55	SY	\$ 10.00	\$ 255.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,383.70
Engineering: (% +/-)	15%	\$ 2,406.99
Contingency: (% +/-)	20%	\$ 3,209.31
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

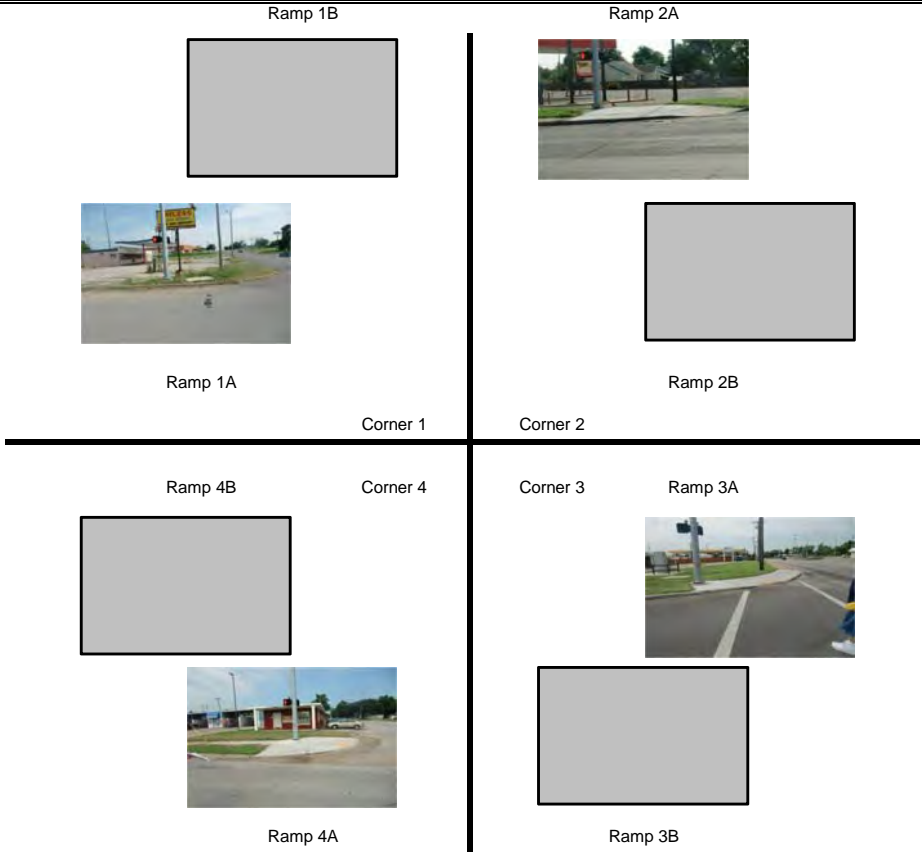
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	No	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									Install handicap ramp
Ramp does not exist and is needed	X								
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X					Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X	X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Detroit Ave and I-244 WB Ramp

GPS ID: 214a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	3.33	SY	\$ 10.00	\$ 33.30
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,054.90
Engineering: (% +/-)	15%	\$ 2,119.33
Contingency: (% +/-)	20%	\$ 2,825.77
Estimated Project Cost:	\$	18,000.00

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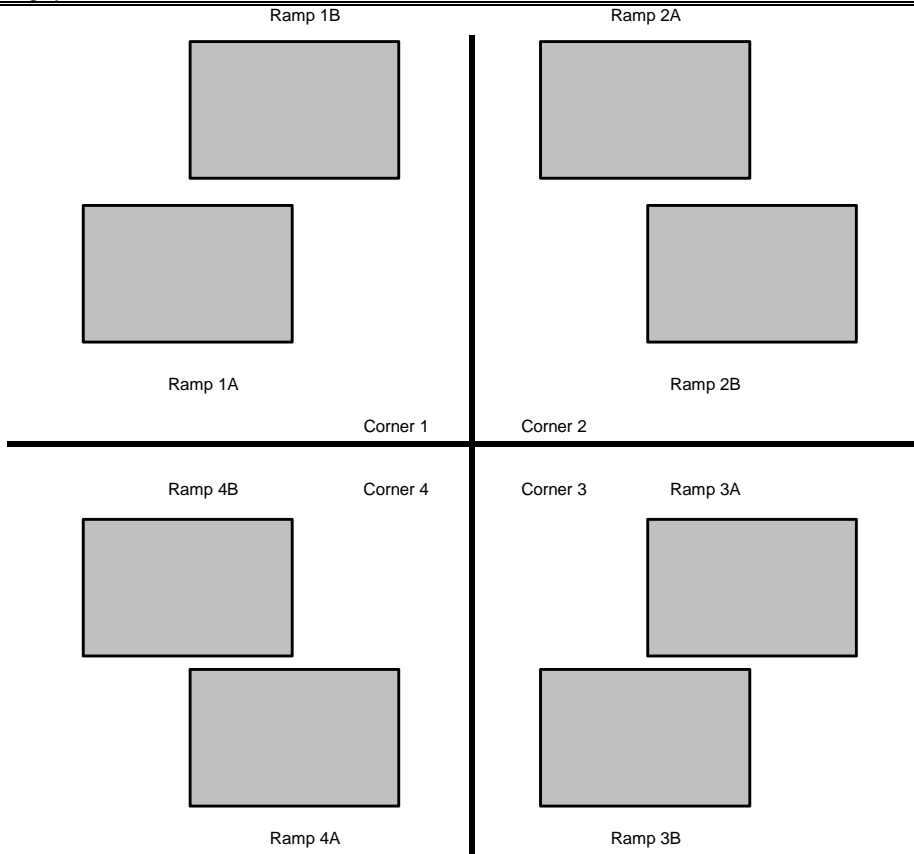
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X								Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"			X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Detroit Ave and I-244 EB Ramp

GPS ID: 214b

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4.44	SY	\$ 10.00	\$ 44.40
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,804.80
Engineering: (% +/-)	15%	\$ 2,226.51
Contingency: (% +/-)	20%	\$ 2,968.69
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

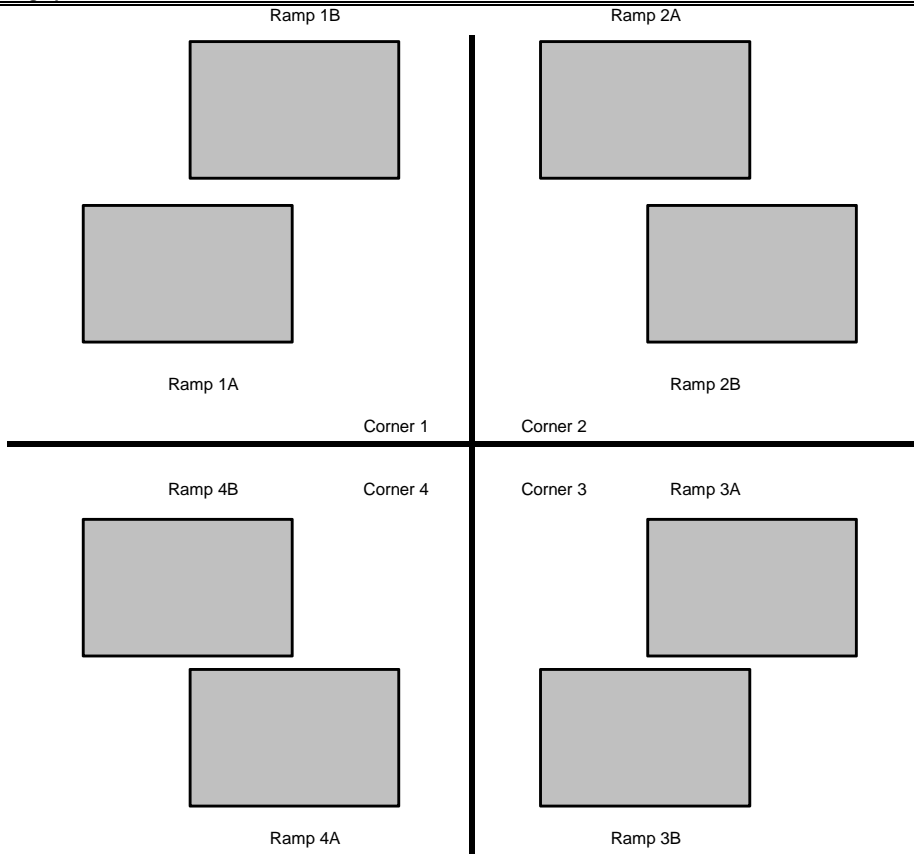
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X				X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



End of Project Description for Project 214b Intersection of N Detroit Ave and I-244 EB Ramp

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and Union E.S. Driveway (7601 S Garnett Rd)

GPS ID: 0216

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

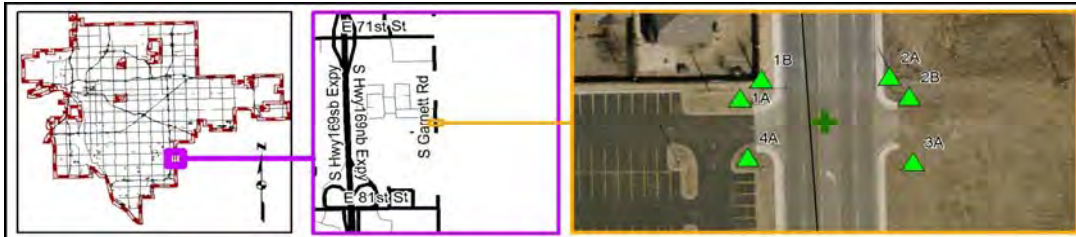
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,612.80
Engineering: (% +/-)	15%	\$ 3,594.51
Contingency: (% +/-)	20%	\$ 4,792.69
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	No	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X		X		X	
Ramp running slope is greater than 8.33%	X		X	X	X			X	
Ramp cross slope is greater than 2%		X			X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X		X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X		X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X		X	X			X	Install landing area
No pedestrian push buttons	X			X	X			X	Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"		X	X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X		X	X				Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	M	H	H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Hartford Ave and E 36th St N

GPS ID: 0218

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.66	SY	\$ 10.00	\$ 366.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,986.90
Engineering: (% +/-)	15%	\$ 3,005.61
Contingency: (% +/-)	20%	\$ 4,007.49
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X		X					X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X					X	Install colored truncated domes
No color contrast at base of ramp	X		X					X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X					X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and I-244 WB Ramp

GPS ID: 219a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,151.40
Engineering: (% +/-)	15%	\$ 2,506.54
Contingency: (% +/-)	20%	\$ 3,342.06
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	N/A	-	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X			X	Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X					X	Install landing area
No pedestrian push buttons	X								Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"			X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		M			M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of S Harvard Ave and I-244 EB Ramp

GPS ID: 219b

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,390.20
Engineering: (% +/-)	15%	\$ 2,404.20
Contingency: (% +/-)	20%	\$ 3,205.60
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	-	-	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X				X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 56th St N and N Lewis Ave

GPS ID: 0221

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,805.20
Engineering: (% +/-)	15%	\$ 3,083.49
Contingency: (% +/-)	20%	\$ 4,111.31
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 46th St N

GPS ID: 0222

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

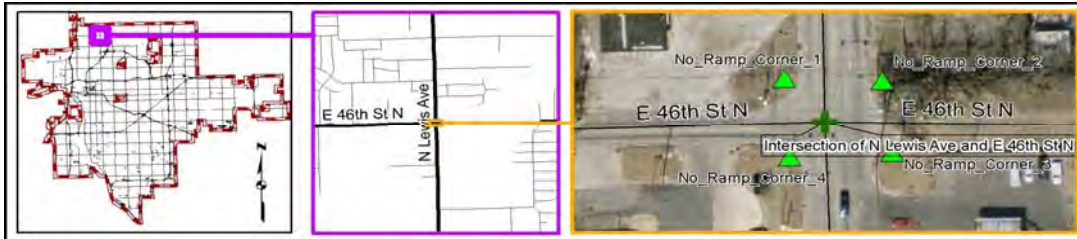
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,655.20
Engineering: (% +/-)	15%	\$ 3,147.77
Contingency: (% +/-)	20%	\$ 4,197.03
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

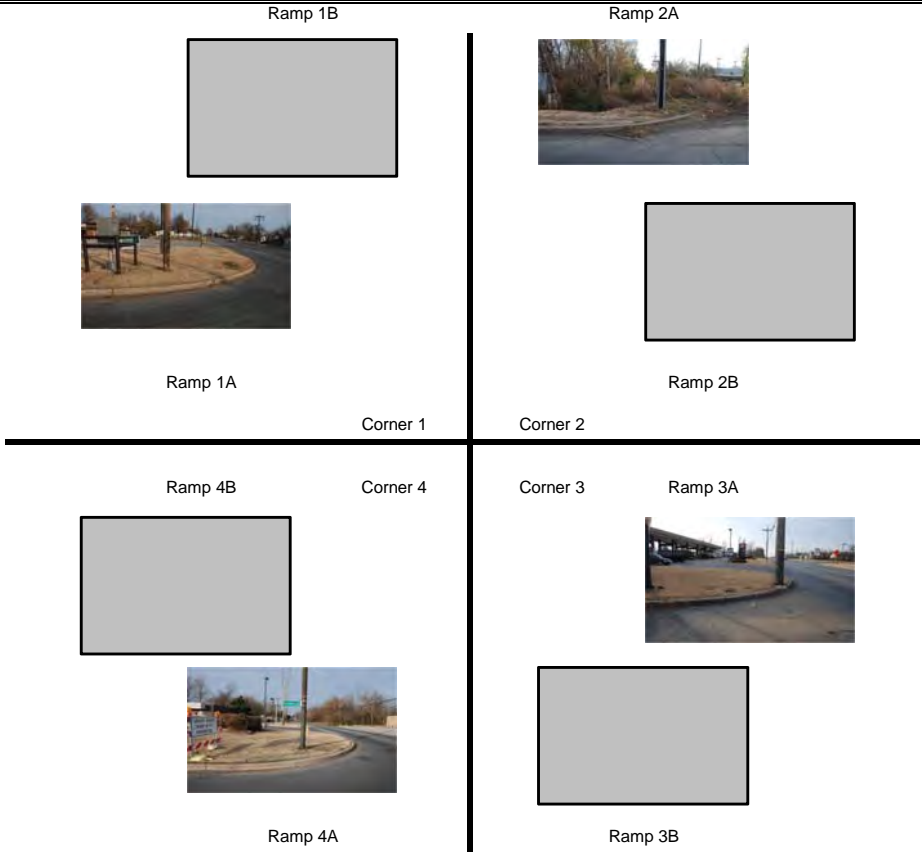
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



End of Project Description for Project 0222 Intersection of N Lewis Ave and E 46th St N

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Memorial Dr and I-244

GPS ID: 0226

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,955.20
Engineering: (% +/-)	15%	\$ 2,590.63
Contingency: (% +/-)	20%	\$ 3,454.17
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

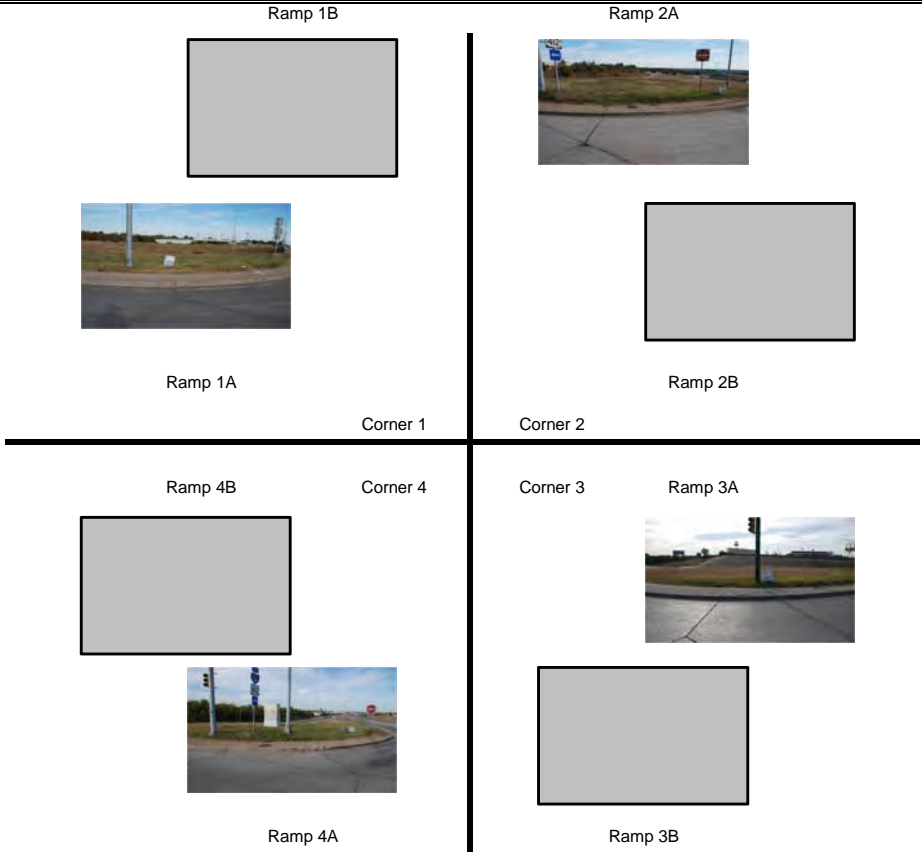
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 68th St

GPS ID: 0227

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	19,510.40
Engineering: (% +/-)	15%	\$	3,209.83
Contingency: (% +/-)	20%	\$	4,279.77
Estimated Project Cost:		\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 91st St and S Memorial Dr

GPS ID: 0228

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,510.40
Engineering: (% +/-)	15%	\$ 3,209.83
Contingency: (% +/-)	20%	\$ 4,279.77
Estimated Project Cost:	\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,012.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,994.64
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,992.86
	Estimated Project Cost:	\$ 25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

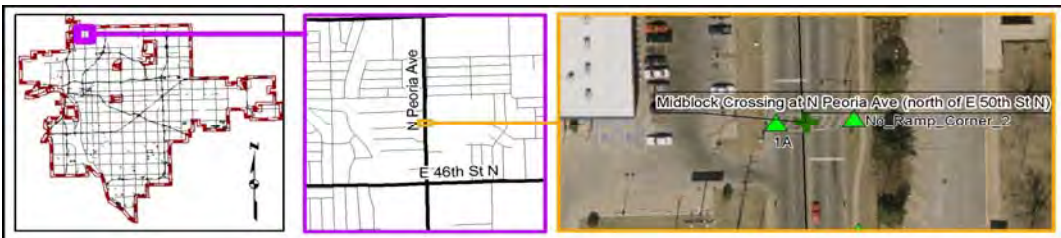
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.33	SY	\$ 10.00	\$ 133.30
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,291.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,160.66
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,547.54
	Estimated Project Cost:	\$ 9,000.00

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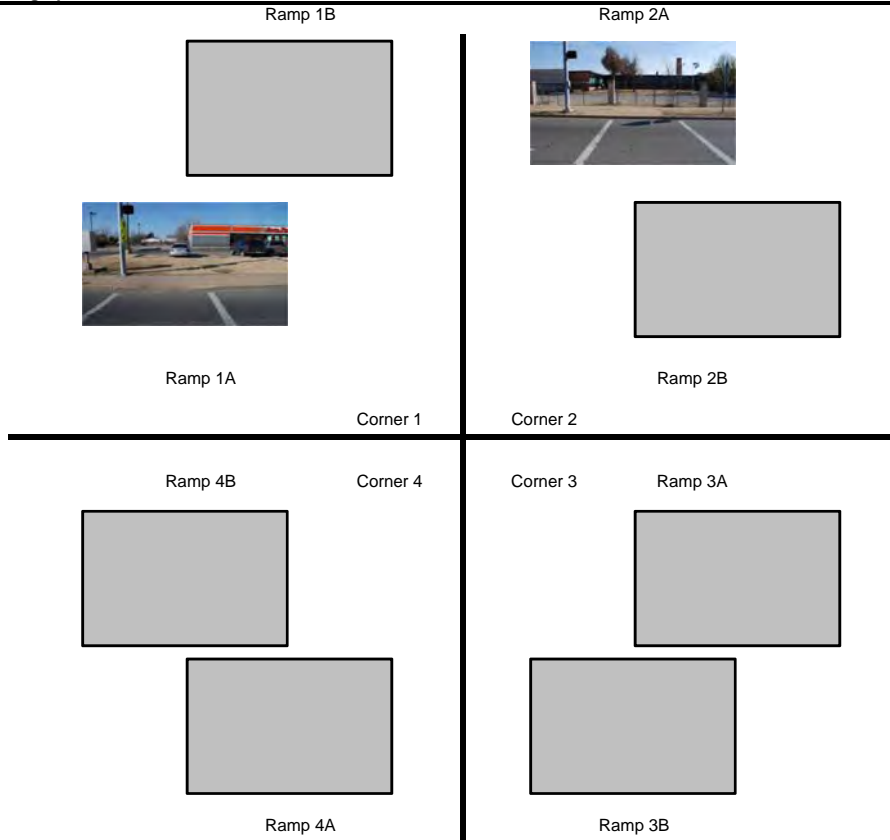
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H						



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	12,887.90
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,190.90
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,921.20
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,183.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,064.04
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,752.06
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	-	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Worn	N/A	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	12,945.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,166.43
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,888.57
	Estimated Project Cost: \$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	-	
Crosswalk cross slope is greater than 5%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons					X				Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"			X				X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X						X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	20,016.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,421.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,562.29
	Estimated Project Cost: \$	28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk										
No 48" extension into crosswalk									X	Remove and replace crosswalk pavement markings
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X				X	X	X			
Ramp running slope is greater than 8.33%	X		X		X	X	X			
Ramp cross slope is greater than 2%					X	X	X			Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area	X		X							
No textured surface at base of ramp	X									Install colored truncated domes
No color contrast at base of ramp	X									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X	X			Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"			X							Regrade roadway
Ponding occurs at base of ramp	X		X		X					
Ramp not needed due to intersection geometry										
Ramp Priority:	H		H		H	H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	17,016.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,564.57
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,419.43
	Estimated Project Cost: \$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X					X	X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X		X						Install landing area
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X	X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		
Ponding occurs at base of ramp			X		X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,516.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,778.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,705.14
	Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk										
No 48" extension into crosswalk								X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X				X					
Ramp running slope is greater than 8.33%	X		X	X	X					
Ramp cross slope is greater than 2%				X			X			Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area				X	X					
No textured surface at base of ramp	X				X					Install colored truncated domes
No color contrast at base of ramp	X				X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X					Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"						X				Regrade roadway
Ponding occurs at base of ramp	X		X							
Ramp not needed due to intersection geometry										
Ramp Priority:	H		H	H	H			L		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,212.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,480.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,306.97
	Estimated Project Cost:	\$ 21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X				
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X		X				X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X		X				X		
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X	Install landing area	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,712.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,694.51
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,592.69
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X		X				Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	102.78	SY	\$ 10.00	\$ 1,027.80
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	102.88	SY	\$ 80.00	\$ 8,230.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	9	EA	\$ 1,500.00	\$ 13,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	28,984.60
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-)	15% \$	4,720.89
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-)	20% \$	6,294.51
<input type="checkbox"/> Final Design	Estimated Project Cost: \$		40,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	1C	1D	2A	2B	3A	4A		4B
Ramp does not land in crosswalk										
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X			X	X	X		X	X	
Ramp running slope is greater than 8.33%				X	X	X		X		
Ramp cross slope is greater than 2%		X		X	X	X	X		X	Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp										
No color contrast at base of ramp										
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X		X	X	X	X	Install landing area
No pedestrian push buttons	X				X	X	X	X	X	Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"										
Ponding occurs at base of ramp							X			Regrade roadway
Ramp not needed due to intersection geometry										
Ramp Priority:	H	M	M	H	H	H	M	H	H	

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,101.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,527.89
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,370.51
	Estimated Project Cost:	\$ 22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X	X	X				
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"			X	X					
Obstruction present in ramp or landing area			X	X	X		X		
No textured surface at base of ramp			X	X			X		Install colored truncated domes
No color contrast at base of ramp			X	X			X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



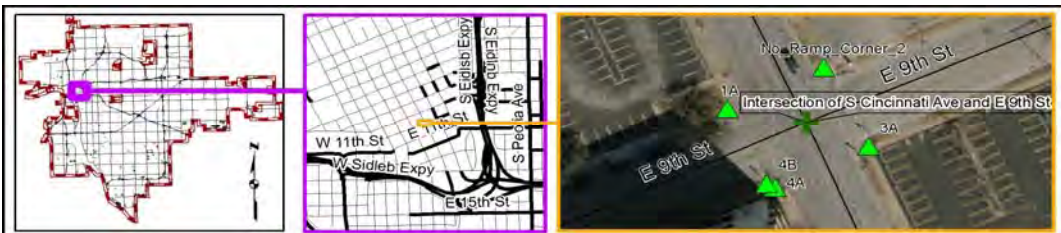
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	15,601.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,742.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,656.23
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X			X	X	X	X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X			X	X	X	X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					Install colored truncated domes
No textured surface at base of ramp				X	X	X	X		
No color contrast at base of ramp				X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X					Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					
Ponding occurs at base of ramp						X			
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H		H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	80.56	SY	\$ 10.00	\$ 805.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	80.56	SY	\$ 80.00	\$ 6,444.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	20,070.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,398.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,531.31
	Estimated Project Cost: \$	28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X		X	X	X		
Ramp running slope is greater than 8.33%	X	X	X				X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	M	H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,819.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,077.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,103.31
	Estimated Project Cost:	\$ 26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X		X			X	X	X	
Ramp cross slope is greater than 2%	X		X			X	X	X	Remove and replace ramp
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area			X	X			X	X	
No textured surface at base of ramp	X		X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X		X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X			X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	432	LF	\$ 2.00	\$ 864.00
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	32,620.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	5,305.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	7,074.06
	Estimated Project Cost:	\$	45,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"							X		
Pedestrian pushbutton height is greater than 42"								X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	51.67	SY	\$ 10.00	\$ 516.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	144	LF	\$ 2.00	\$ 288.00
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	22,620.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,591.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,788.46
	Estimated Project Cost: \$	31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	Yes	N/A	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 36,156.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,504.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,339.20
	Estimated Project Cost:	\$ 49,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%	X			X		X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X			X					
No textured surface at base of ramp	X		X	X		X			Install colored truncated domes
No color contrast at base of ramp	X			X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X		X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X	X		X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X			X			Regrade roadway
Ponding occurs at base of ramp	X					X			
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 43,194.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,773.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,031.77
	Estimated Project Cost:	\$ 59,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp				X					Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	40.56	SY	\$ 10.00	\$ 405.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	40.56	SY	\$ 80.00	\$ 3,244.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	144	LF	\$ 2.00	\$ 288.00
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	28,617.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,449.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,933.14
	Estimated Project Cost: \$	39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X				X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	432	LF	\$ 2.00	\$ 864.00
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	36,909.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,610.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,480.34
	Estimated Project Cost: \$	50,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Worn	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X				X		X		
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X				X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	84.46	SY	\$ 80.00	\$ 6,756.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	288	LF	\$ 2.00	\$ 576.00
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	7	EA	\$ 350.00	\$ 2,450.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	5	EA	\$ 1,500.00	\$ 7,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 37,459.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,803.07
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,737.43
	Estimated Project Cost:	\$ 51,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	Good	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	No	N/A	Yes	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				Install handicap ramp
Ramp does not exist and is needed				X					
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%		X		X		X	X		
Ramp cross slope is greater than 2%		X					X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X		X	X	Install landing area
No pedestrian push buttons					X	X		X	Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X							X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"				X					
Ponding occurs at base of ramp	X	X	X		X			X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

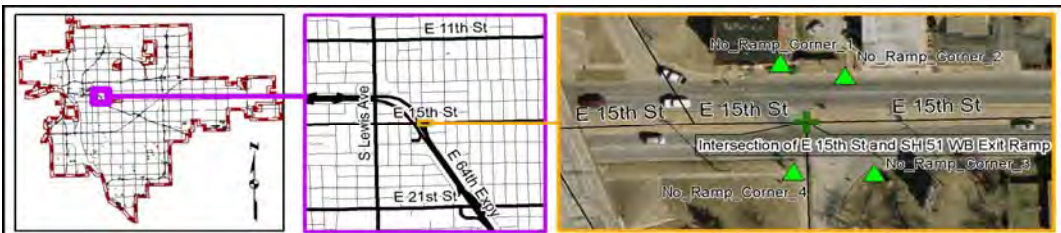
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,413.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,394.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,192.23
	Estimated Project Cost:	\$ 20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons					X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	-	-	H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	82.78	SY	\$ 80.00	\$ 6,622.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,234.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,185.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,580.40
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	No	Yes	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	2C	3A	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X	X	X				X		Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%				X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X			X			Install landing area
No pedestrian push buttons	X						X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"				X		X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist				X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	M	H	H	H		

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	50.56	SY	\$ 10.00	\$ 505.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,249.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,750.39
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,000.51
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"							X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 46,245.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,180.59
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,574.11
	Estimated Project Cost:	\$ 63,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Worn	No	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	128.87	SY	\$ 10.00	\$ 1,288.70
2	REMOVING CONC (WHEELCHAIR RAMP)	111.21	SY	\$ 30.00	\$ 3,336.30
3	CONCRETE SIDEWALK (SD-1) (4")	128.87	SY	\$ 80.00	\$ 10,309.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	144	LF	\$ 2.00	\$ 288.00
6	HANDICAP RAMP (HR-1)	12	EA	\$ 1,500.00	\$ 18,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	10	LS	\$ 1,000.00	\$ 10,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost	Subtotal: \$	49,258.60
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15%	\$ 7,603.46
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-) 20%	\$ 10,137.94
<input type="checkbox"/> Final Design	Estimated Project Cost: \$	67,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations			
	1A	1B	1C	1D	2A	3A	3B	4A		4B	4C	4D
Ramp does not land in crosswalk												Remove and replace crosswalk pavement markings
No 48" extension into crosswalk												
Ramp does not exist and is needed												
Flare cross slope is greater than 10%					X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X			X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X				X				X	Remove and replace ramp
Ramp width is less than 36"												
Obstruction present in ramp or landing area												
No textured surface at base of ramp	X				X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X			X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons												
Pedestrian pushbutton diameter is not 2"	X	X			X	X	X					Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X			X	X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X							Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X			X	X	X	X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X			X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp	X	X			X			X	X		X	
Ramp not needed due to intersection geometry												
Ramp Priority:	H	H	M	M	H	H	H	H	H	H	H	

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A

Corner 1



Ramp 2B

Corner 2

Ramp 4D



Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	552	LF	\$ 6.50	\$ 3,588.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	36,250.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,464.07
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,285.43
	Estimated Project Cost: \$	49,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X			X		X		
Ramp running slope is greater than 8.33%	X	X					X		
Ramp cross slope is greater than 2%	X	X			X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X					X		
No color contrast at base of ramp	X	X					X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X		X		
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"				X	X		X		
Pedestrian pushbutton height is greater than 42"				X	X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X					X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X			X				
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X	X							
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	95	SY	\$ 10.00	\$ 950.00
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	97.22	SY	\$ 80.00	\$ 7,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	7	LS	\$ 1,000.00	\$ 7,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 32,800.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,228.27
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,971.03
	Estimated Project Cost:	\$ 45,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Yes	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	2A	2B	2C	2D	3A	3C	4A	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X			X	X
Ramp running slope is greater than 8.33%	X	X	X	X	X			X	X
Ramp cross slope is greater than 2%				X				X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X		Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons					X				Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"	X		X		X	X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X	X		X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X	X		X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X		X		Regrade roadway
Ponding occurs at base of ramp			X				X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	288	LF	\$ 2.00	\$ 576.00
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	25,710.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,981.21
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,308.29
	Estimated Project Cost: \$	35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%	X		X		X	X	X		
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X	X	X		
No color contrast at base of ramp	X		X		X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X	X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"					X	X			
Pedestrian pushbutton height is greater than 42"	X				X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X	X	X		
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp			X		X	X			
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	38,405.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,826.21
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,768.29
	Estimated Project Cost: \$	52,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	No	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$ 39,700.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 6,128.27
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 8,171.03
	Estimated Project Cost: \$ 54,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X			X		
Ramp cross slope is greater than 2%			X	X			X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X		X		Install colored truncated domes
No color contrast at base of ramp			X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	418	LF	\$ 6.50	\$ 2,717.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 43,629.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,587.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,783.20
	Estimated Project Cost:	\$ 59,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	X	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	378	LF	\$ 6.50	\$ 2,457.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 47,158.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,217.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,623.66
	Estimated Project Cost:	\$ 64,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Poor	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	No	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3C	4A	4B	
Ramp does not land in crosswalk						X	X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%			X			X			Remove and replace ramp
Ramp running slope is greater than 8.33%			X			X			
Ramp cross slope is greater than 2%	X		X			X			
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X			X	X		
No color contrast at base of ramp	X		X			X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X			X	X		Install landing area
No pedestrian push buttons	X		X			X	X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	35.55	SY	\$ 10.00	\$ 355.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	432	LF	\$ 2.00	\$ 864.00
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,084.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,535.13
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,380.17
	Estimated Project Cost:	\$ 21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X		X		
No color contrast at base of ramp			X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									Install clear floor space
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp			X						Remove ramp
Ramp not needed due to intersection geometry	X								
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	35.55	SY	\$ 10.00	\$ 355.50
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	288	LF	\$ 2.00	\$ 576.00
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	15,993.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,574.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,432.34
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Yes	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X				X		
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M				H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	27.23	SY	\$ 80.00	\$ 2,178.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 6,431.80 Engineering: (% +/-) 15% \$ 1,100.66 Contingency: (% +/-) 20% \$ 1,467.54 Estimated Project Cost: \$ 9,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X							X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X							X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X							X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H							H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	97.76	SY	\$ 10.00	\$ 977.60
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	97.76	SY	\$ 80.00	\$ 7,820.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	576	LF	\$ 2.00	\$ 1,152.00
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	34,120.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 5,519.66
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 7,359.54
	Estimated Project Cost:	\$	47,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X	X	X	X	X	X	X	
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X		X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X		X	X	
Ramp cross slope is greater than 2%	X	X			X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	
No pedestrian push buttons									Install clear floor space
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	
Ramp transition onto roadway is greater than 0.25"	X	X	X	X			X	X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	M	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	23.33	SY	\$ 80.00	\$ 1,866.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 8,606.30 Engineering: (% +/-) 15% \$ 1,454.44 Contingency:(% +/-) 20% \$ 1,939.26 Estimated Project Cost: \$ 12,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X						X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 38,456.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,804.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,739.20
	Estimated Project Cost:	\$ 52,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X			X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X			X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.55	SY	\$ 10.00	\$ 255.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	194	LF	\$ 6.50	\$ 1,261.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,844.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,637.99
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,517.31
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	M	H	M	H	M	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,044.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,552.27
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,403.03
	Estimated Project Cost:	\$ 22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	No	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X						Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	40.56	SY	\$ 10.00	\$ 405.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	40.56	SY	\$ 80.00	\$ 3,244.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,757.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,247.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,996.00
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2C	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X		X		Install colored truncated domes
No color contrast at base of ramp			X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X	X		X	Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X	X		X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge						X			Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:			H	M	M		M		

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	428	LF	\$ 6.50	\$ 2,782.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	33,972.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,154.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,873.03
	Estimated Project Cost: \$	46,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%	X	X		X	X		X		
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X		X	X		X		Install colored truncated domes
No color contrast at base of ramp	X	X		X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X							Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X		X	X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X		X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,018.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,849.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,132.34
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	No	N/A	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"						X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	93.32	SY	\$ 80.00	\$ 7,465.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	358	LF	\$ 6.50	\$ 2,327.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	5	EA	\$ 100.00	\$ 500.00
9	PEDESTRIAN PUSH BUTTON	7	EA	\$ 350.00	\$ 2,450.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	40,400.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 6,257.06
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 8,342.74
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	55,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	No	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	2A	2C	3A	3C	3D	3E	4A	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X	X				X	X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X	X	X					
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X		X					Install landing area
No pedestrian push buttons		X				X			
Pedestrian pushbutton diameter is not 2"	X	X					X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X					X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X	X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A

Ramp 3C



Ramp 4A



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 48,345.40 Engineering: (% +/-) 15% \$ 7,566.26 Contingency: (% +/-) 20% \$ 10,088.34 Estimated Project Cost: \$ 66,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	No	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.55	SY	\$ 10.00	\$ 255.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	224	LF	\$ 6.50	\$ 1,456.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,750.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,963.90
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,285.20
	Estimated Project Cost:	\$ 33,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	N/A	-	X	N/A	
Crosswalk striping	N/A	Worn	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	-		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	35.55	SY	\$ 10.00	\$ 355.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	224	LF	\$ 6.50	\$ 1,456.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,257.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,461.07
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,281.43
	Estimated Project Cost:	\$ 21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	Worn	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry	X								Remove ramp
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of E 21st St and S 145th East Ave

GPS ID: 0332

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	93.32	SY	\$ 80.00	\$ 7,465.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	12	EA	\$ 1,500.00	\$ 18,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

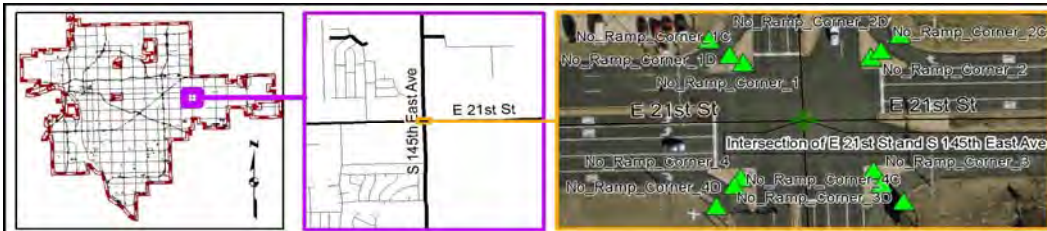
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	38,009.60
Engineering: (% +/-)	15%	\$ 5,995.89
Contingency: (% +/-)	20%	\$ 7,994.51
Estimated Project Cost:	\$	52,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID												Recommendations
	1A	1C	1D	2A	2C	2D	3A	3C	3D	4A	4C	4D	
Ramp does not land in crosswalk													
No 48" extension into crosswalk													
Ramp does not exist and is needed	X	X	X	X	X	X	X	X	X	X	X	X	Install handicap ramp
Flare cross slope is greater than 10%													
Ramp running slope is greater than 8.33%													
Ramp cross slope is greater than 2%													
Ramp width is less than 36"													
Obstruction present in ramp or landing area													
No textured surface at base of ramp													
No color contrast at base of ramp													
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist													
No pedestrian push buttons													
Pedestrian pushbutton diameter is not 2"													
Pedestrian pushbutton height is greater than 42"													
Pedestrian head offset is greater than 10' from the nearest crosswalk edge													
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X			X			X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"													
Ponding occurs at base of ramp													
Ramp not needed due to intersection geometry													
Ramp Priority:	H	H	H	H	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 1C



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 1D

Corner 1



Ramp 2B



Ramp 2D

Corner 2

Ramp 4B



Ramp 4D



Corner 4



Ramp 4A



Ramp 4C

Corner 3

Ramp 3A



Ramp 3C



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	22,208.70
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 3,339.13
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 4,452.17
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X						X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	50.56	SY	\$ 80.00	\$ 4,044.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	368	LF	\$ 6.50	\$ 2,392.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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17					
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22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 20,976.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,438.56
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,584.74
	Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X					Install landing area
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X					Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	328	LF	\$ 6.50	\$ 2,132.00
5	PAVEMENT MARKING REMOVAL	144	LF	\$ 2.00	\$ 288.00
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,803.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,512.61
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,683.49
	Estimated Project Cost:	\$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	No	Yes	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X				
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons	X						X		
Pedestrian pushbutton diameter is not 2"									Install pedestrian push buttons
Pedestrian pushbutton height is greater than 42"					X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Relocate pedestrian push button
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	30.02	SY	\$ 10.00	\$ 300.20
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	30.02	SY	\$ 80.00	\$ 2,401.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,687.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,419.51
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,892.69
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,824.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,504.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,672.00
	Estimated Project Cost:	\$ 31,000.00

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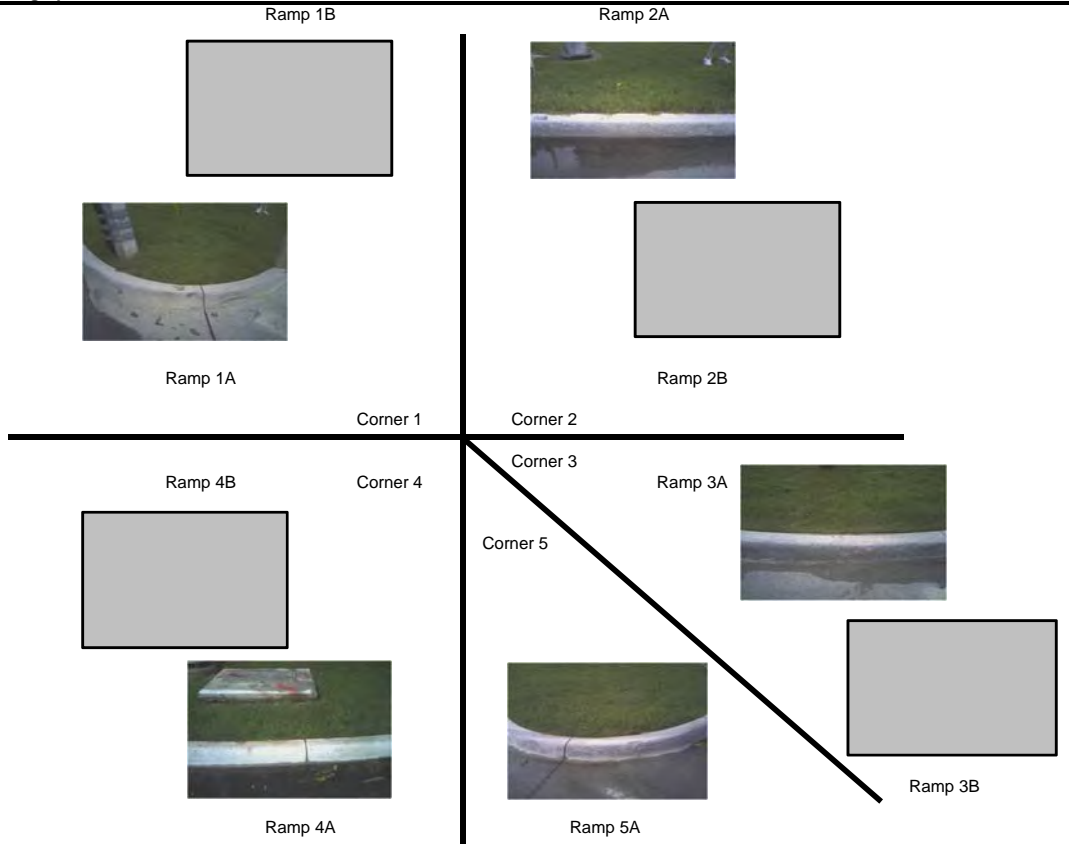
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	5A	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X	X	Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H	H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 30,997.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,715.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,287.09
	Estimated Project Cost:	\$ 42,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 41,454.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,233.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,311.77
	Estimated Project Cost:	\$ 56,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Danger	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	144	LF	\$ 2.00	\$ 288.00
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 37,396.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,829.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,773.26
	Estimated Project Cost:	\$ 51,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	Worn	N/A	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X				
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp				X		X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	358	LF	\$ 6.50	\$ 2,327.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 38,878.50
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 6,052.07
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 8,069.43
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 53,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	No	Worn	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons	X								Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"					X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	82.21	SY	\$ 10.00	\$ 822.10
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	85.54	SY	\$ 80.00	\$ 6,843.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	14	EA	\$ 100.00	\$ 1,400.00
9	PEDESTRIAN PUSH BUTTON	14	EA	\$ 350.00	\$ 4,900.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	6	EA	\$ 1,500.00	\$ 9,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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19					
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22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 44,132.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,800.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,067.20
	Estimated Project Cost:	\$ 60,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	2C	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X		X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X		X	X	
Ramp cross slope is greater than 2%		X			X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X					X		Install colored truncated domes
No color contrast at base of ramp		X					X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X	X	X		X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X		X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X		X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge		X	X	X	X		X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X		X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X					X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	M	H	H	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	224	LF	\$ 6.50	\$ 1,456.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,996.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,858.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,145.03
	Estimated Project Cost:	\$ 34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Worn	N/A	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X	X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X				X		
Ramp running slope is greater than 8.33%	X	X	X				X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Remove and replace pedestrian push button
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X						Relocate pedestrian push button
No pedestrian push buttons							X		
Pedestrian pushbutton diameter is not 2"									Install clear floor space
Pedestrian pushbutton height is greater than 42"	X	X	X				X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X				X		
Ramp transition onto roadway is greater than 0.25"									Install clear floor space
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									Install clear floor space
Ramp Priority:	H	H	H				H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 33,856.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,204.36
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,939.14
	Estimated Project Cost:	\$ 46,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X						X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,604.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,312.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,082.97
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	No	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X				X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



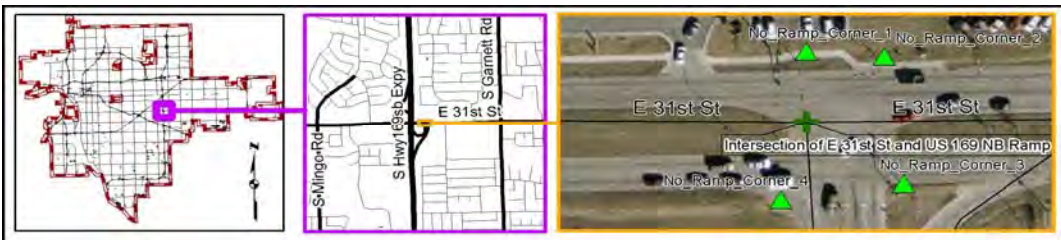
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost	Subtotal: \$ 12,654.80
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15% \$ 2,290.80
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-) 20% \$ 3,054.40
<input type="checkbox"/> Final Design	Estimated Project Cost: \$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	-		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 30,504.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,926.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,568.91
	Estimated Project Cost:	\$ 42,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 49,556.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,475.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,967.77
	Estimated Project Cost:	\$ 67,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X						
Ramp running slope is greater than 8.33%	X	X	X				X		
Ramp cross slope is greater than 2%	X	X	X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X			X		X			Install colored truncated domes
No color contrast at base of ramp	X			X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X					X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X	X	X	X	X	X	X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

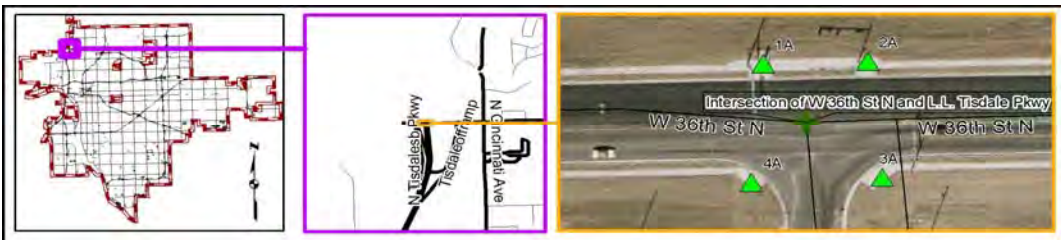
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,012.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,851.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,135.77
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp									Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

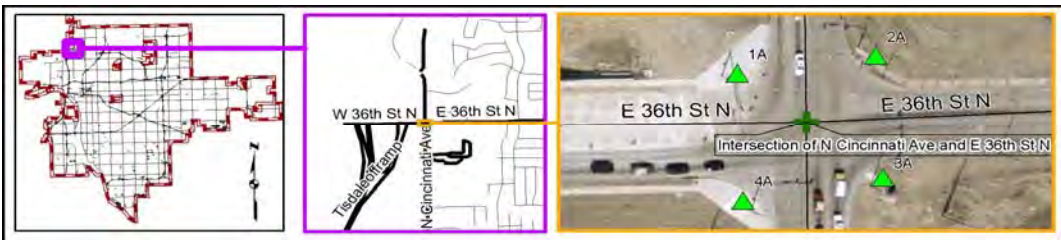
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,701.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,985.16
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,313.54
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 49,419.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,534.33
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,045.77
	Estimated Project Cost:	\$ 67,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	65.57	SY	\$ 10.00	\$ 655.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	76.68	SY	\$ 80.00	\$ 6,134.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 36,308.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,868.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,824.00
	Estimated Project Cost:	\$ 50,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Poor	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	Yes	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed				X					Install handicap ramp
Flare cross slope is greater than 10%		X	X						
Ramp running slope is greater than 8.33%	X	X	X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp				X			X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X			X			X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X			X			X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X	X		X			X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H	H	M		M		

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2.22	SY	\$ 10.00	\$ 22.20
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	-
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	-
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	-
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	-
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 39,687.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,133.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,178.40
	Estimated Project Cost:	\$ 54,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp							X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 50,369.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,555.76
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,074.34
	Estimated Project Cost:	\$ 68,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"					X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,101.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,099.44
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,799.26
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Yes	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X	X	X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	H				H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	83.32	SY	\$ 10.00	\$ 833.20
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	83.32	SY	\$ 80.00	\$ 6,665.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	576	LF	\$ 2.00	\$ 1,152.00
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	26,517.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 4,063.76
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 5,418.34
	Estimated Project Cost:	\$	36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk	X		X	X	X	X	X	X	Remove and replace crosswalk pavement markings
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%							X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M	M	M	M	M	L	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	432	LF	\$ 2.00	\$ 864.00
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	15,084.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,535.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,380.23
	Estimated Project Cost: \$	21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	-	Good	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	Yes	N/A	-	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk	X	X	X				X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%		X	X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X							Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	M		-		L		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	103.32	SY	\$ 10.00	\$ 1,033.20
2	REMOVING CONC (WHEELCHAIR RAMP)	90.99	SY	\$ 30.00	\$ 2,729.70
3	CONCRETE SIDEWALK (SD-1) (4")	103.32	SY	\$ 80.00	\$ 8,265.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	576	LF	\$ 2.00	\$ 1,152.00
6	HANDICAP RAMP (HR-1)	9	EA	\$ 1,500.00	\$ 13,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	31,424.50
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-)	15% \$	4,960.93
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-)	20% \$	6,614.57
<input type="checkbox"/> Final Design	Estimated Project Cost: \$		43,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Yes	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations	
	1A	2A	2B	2C	2D	3A	3B	3E		4A
Ramp does not land in crosswalk	X	X	X	X	X	X	X	X	X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%									X	
Ramp running slope is greater than 8.33%	X		X	X				X		Remove and replace ramp
Ramp cross slope is greater than 2%	X							X	X	
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp										
No color contrast at base of ramp										
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X	X	X	X	X	Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"						X			X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist						X	X		X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"										
Ponding occurs at base of ramp										
Ramp not needed due to intersection geometry										
Ramp Priority:	M	M	M	H	M	M	H	M	H	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 33,009.30
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 5,138.87
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 6,851.83
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 45,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"					X		X		
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 30,411.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,966.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,622.17
	Estimated Project Cost:	\$ 42,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Yes	Yes	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X	X	X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X					Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	36,004.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,569.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,426.06
	Estimated Project Cost: \$	49,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	22,804.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	3,512.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	4,682.97
	Estimated Project Cost:	\$	31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	No	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 26,673.30
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 4,425.73
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 5,900.97
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%			X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Remove and replace pedestrian push button
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X	X	X	Relocate pedestrian push button
No pedestrian push buttons			X	X	X	X	X	X	
Pedestrian pushbutton diameter is not 2"			X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Pedestrian pushbutton height is greater than 42"	X		X	X	X	X	X	X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X	X	Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X	X	X	X	
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X				X	X	X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	26.66	SY	\$ 10.00	\$ 266.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	54.46	SY	\$ 80.00	\$ 4,356.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 29,174.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 4,639.71
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 6,186.29
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 40,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X					X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X							X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



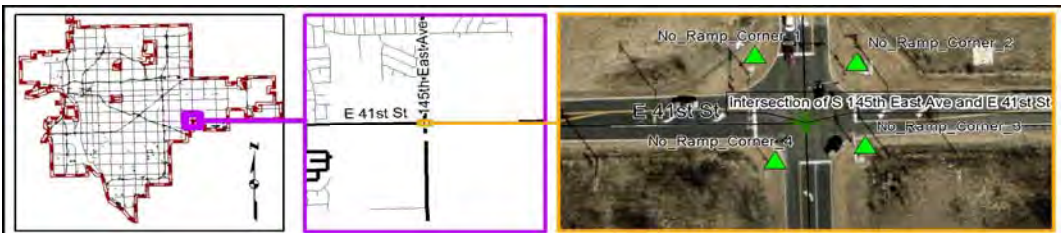
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 21,654.40 Engineering: (% +/-) 15% \$ 3,576.69 Contingency: (% +/-) 20% \$ 4,768.91 Estimated Project Cost: \$ 30,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X				X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 29,512.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,494.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,993.14
	Estimated Project Cost:	\$ 40,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp			X	X	X	X	X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	418	LF	\$ 6.50	\$ 2,717.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 30,007.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,711.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,281.60
	Estimated Project Cost:	\$ 41,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	No	Worn	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X				X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,512.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,637.50
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,850.00
	Estimated Project Cost:	\$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

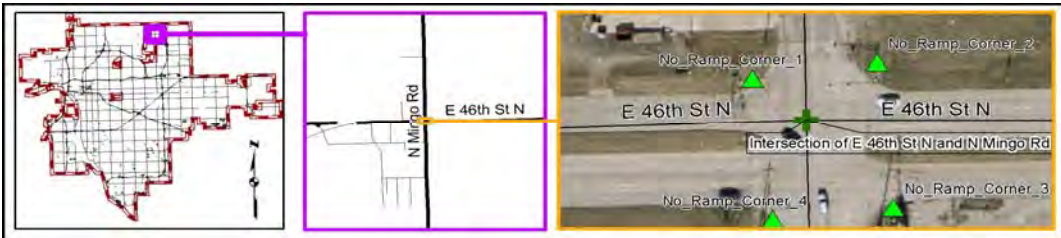
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	37,454.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	5,805.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	7,740.34
	Estimated Project Cost:	\$	51,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Poor	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,323.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,147.24
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,529.66
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X				X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X	X							
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X		X		Install landing area
No pedestrian push buttons									Install clear floor space
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X		X		X		
Ramp transition onto roadway is greater than 0.25"	X	X	X		X		X		Regrade roadway
Ponding occurs at base of ramp			X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 27,308.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,153.41
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,537.89
	Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Worn	Worn	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X	X		X			
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X				Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	119.98	SY	\$ 10.00	\$ 1,199.80
2	REMOVING CONC (WHEELCHAIR RAMP)	101.1	SY	\$ 30.00	\$ 3,033.00
3	CONCRETE SIDEWALK (SD-1) (4")	119.98	SY	\$ 80.00	\$ 9,598.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	576	LF	\$ 2.00	\$ 1,152.00
6	HANDICAP RAMP (HR-1)	18	EA	\$ 1,500.00	\$ 27,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 46,227.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,188.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,584.46
	Estimated Project Cost:	\$ 63,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	1C	2A	2B	3A	3B	4A		4B
Ramp does not land in crosswalk	X	X	X	X	X	X	X	X	X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk										
Ramp does not exist and is needed										Remove and replace ramp
Flare cross slope is greater than 10%		X		X	X			X		
Ramp running slope is greater than 8.33%	X	X				X		X		
Ramp cross slope is greater than 2%			X			X		X	X	
Ramp width is less than 36"										Install colored truncated domes
Obstruction present in ramp or landing area				X				X		
No textured surface at base of ramp				X				X		
No color contrast at base of ramp				X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X		X	X	X	Install landing area
No pedestrian push buttons										Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"					X					
Pedestrian pushbutton height is greater than 42"										Install clear floor space
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X		X	X	X	X	X	X	
Ramp transition onto roadway is greater than 0.25'										
Ponding occurs at base of ramp										
Ramp not needed due to intersection geometry										
Ramp Priority:	H	H	M	H	H	M	M	H	H	

Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 3B

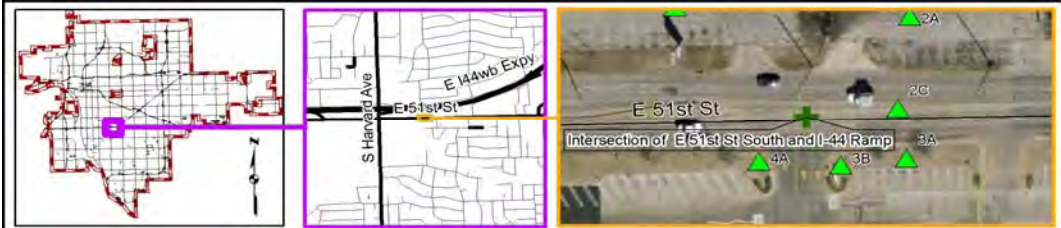
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	58.88	SY	\$ 80.00	\$ 4,710.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	144	LF	\$ 2.00	\$ 288.00
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 28,483.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,507.16
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,009.54
	Estimated Project Cost:	\$ 39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	No	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2C	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X		X	X	X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%					X	X	X		
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%			X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons	X								Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X	X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X	X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M	L	H	H	H		

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	388	LF	\$ 6.50	\$ 2,522.00
5	PAVEMENT MARKING REMOVAL	144	LF	\$ 2.00	\$ 288.00
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,982.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,578.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,438.40
	Estimated Project Cost:	\$ 21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Worn	N/A	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	224	LF	\$ 6.50	\$ 1,456.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,493.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,074.39
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,432.51
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	Worn	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X		X		X		
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"			X		X		X		
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	-		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 28,608.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,453.41
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,937.89
	Estimated Project Cost:	\$ 39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X		X		
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%					X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X		X		X		
No textured surface at base of ramp			X				X		
No color contrast at base of ramp			X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"			X		X		X		
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	274	LF	\$ 6.50	\$ 1,781.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,318.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,149.39
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,532.51
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Worn	N/A	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X				X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X				X		
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		
Ramp transition onto roadway is greater than 0.25"	X		X				X		Regrade roadway
Ponding occurs at base of ramp			X				X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 45,256.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,175.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,567.77
	Estimated Project Cost:	\$ 62,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Remove and replace pedestrian push button
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"	X								
Pedestrian pushbutton height is greater than 42"	X						X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	73.32	SY	\$ 80.00	\$ 5,865.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 33,196.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,058.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,745.14
	Estimated Project Cost:	\$ 45,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	Worn	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X	X	X		X	X	
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X	X	X		X	X	
Ramp running slope is greater than 8.33%			X	X	X		X	X	
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X	X		X	X	
No color contrast at base of ramp	X		X	X	X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X		X	X	Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X	X	X		X	X	
Pedestrian pushbutton height is greater than 42"	X		X	X	X		X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X		X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X	X	X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	22,604.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 3,597.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 4,797.26
	Estimated Project Cost:	\$	31,000.00

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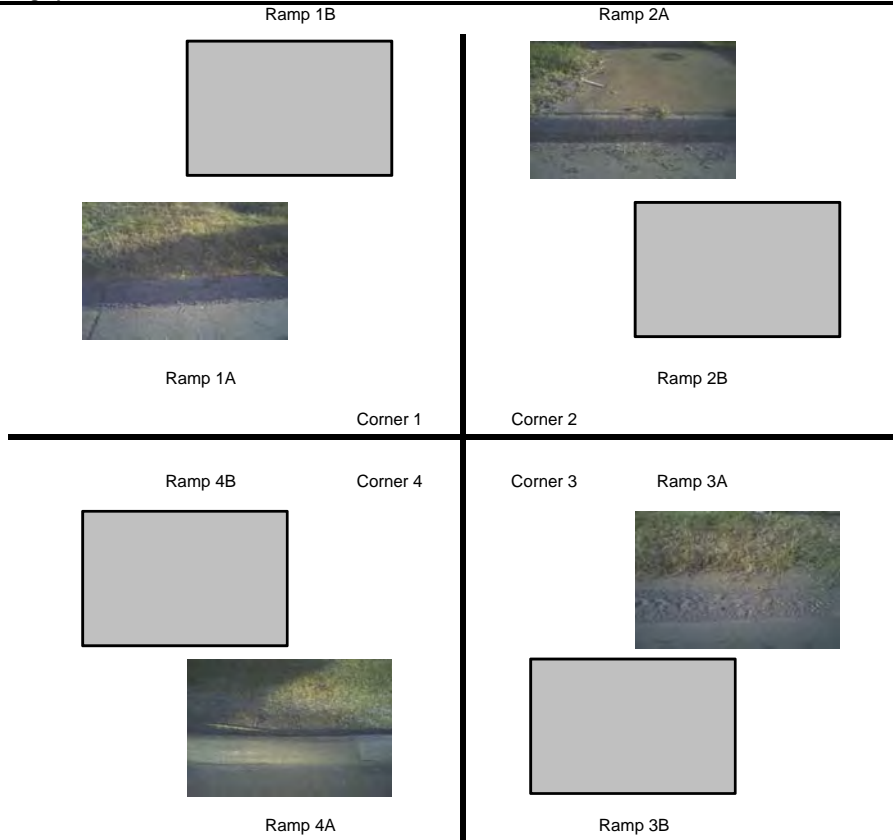
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H				H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1.11	SY	\$ 10.00	\$ 11.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 28,651.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,434.90
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,913.20
	Estimated Project Cost:	\$ 39,000.00

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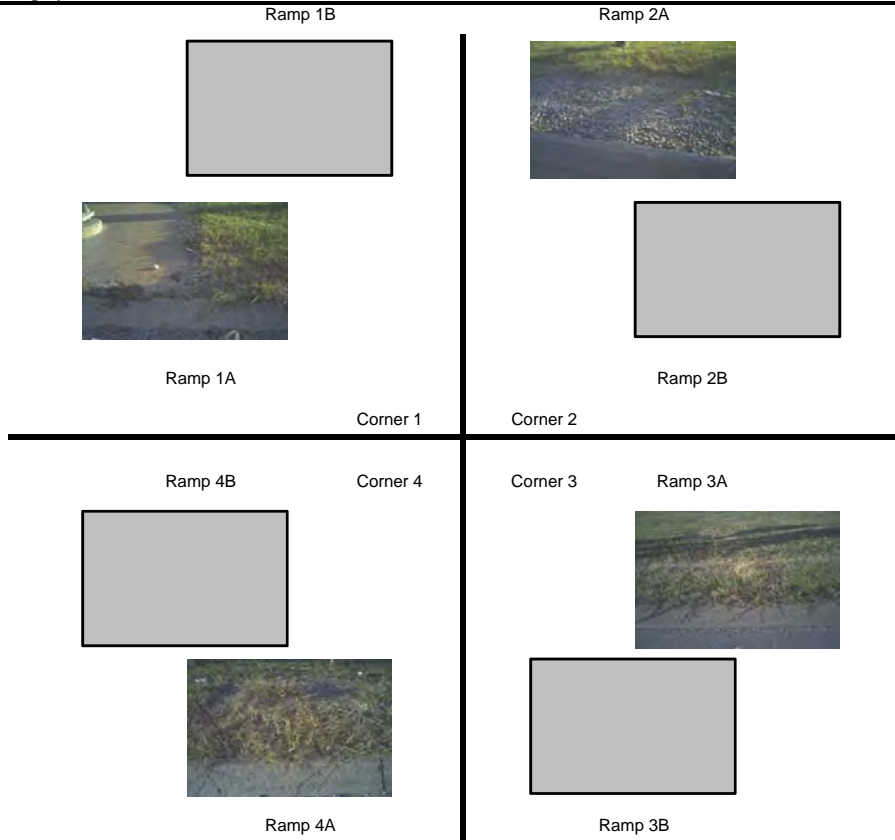
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			-	



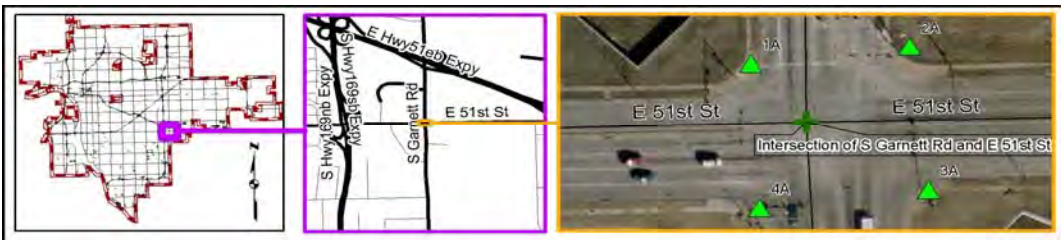
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 47,834.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,356.73
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,808.97
	Estimated Project Cost:	\$ 65,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Worn	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X		X		X		
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,422.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,818.84
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,758.46
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	-	
Crosswalk striping	Yes	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed				X			X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X							
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area		X							
No textured surface at base of ramp	X	X							Install colored truncated domes
No color contrast at base of ramp	X	X							
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"				X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist				X	X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X	X							
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	C	H	M		H		

Ramp 1B



Ramp 1D



Ramp 2A



Ramp 1A



Ramp 1C



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

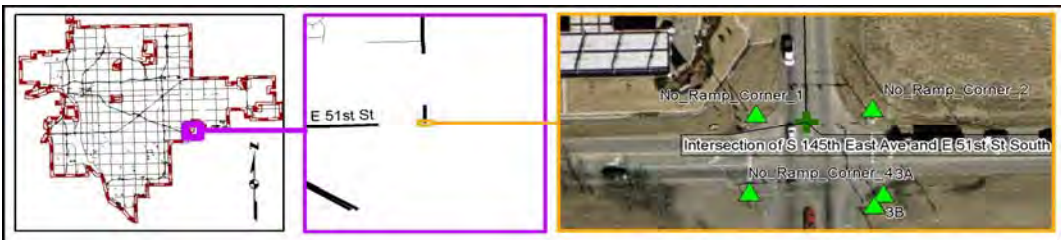
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	5	EA	\$ 1,500.00	\$ 7,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 53,316.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 8,007.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,676.11
	Estimated Project Cost:	\$ 72,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons	X		X		X	X	X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M	M	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	35.55	SY	\$ 10.00	\$ 355.50
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	288	LF	\$ 2.00	\$ 576.00
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,218.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,192.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,589.60
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	Yes	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X				X		Remove and replace crosswalk pavement markings
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons	X								Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 34,856.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,632.93
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,510.57
	Estimated Project Cost:	\$ 48,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	52.24	SY	\$ 10.00	\$ 522.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	52.24	SY	\$ 80.00	\$ 4,179.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,852.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,491.91
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,655.89
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X				X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4.44	SY	\$ 10.00	\$ 44.40
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	12,738.00
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 2,255.14
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 3,006.86
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	No	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Project Name: Intersection of S Peoria Ave and E 61st St GPS ID: 0388

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	12.22	SY	\$ 10.00	\$ 122.20
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 25,179.90
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 3,780.04
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 5,040.06
		Estimated Project Cost:	\$ 34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							X		
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									Remove existing push buttons and install pedestal pole
No pedestrian push buttons							X		
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	59.99	SY	\$ 10.00	\$ 599.90
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	10	EA	\$ 100.00	\$ 1,000.00
9	PEDESTRIAN PUSH BUTTON	10	EA	\$ 350.00	\$ 3,500.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 45,248.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,179.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,572.34
	Estimated Project Cost:	\$ 62,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk								X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X	X			
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X	X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X	X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X	X			Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X							X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,709.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,838.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,451.66
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	-		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	88.33	SY	\$ 10.00	\$ 883.30
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	88.33	SY	\$ 80.00	\$ 7,066.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	12	EA	\$ 100.00	\$ 1,200.00
9	PEDESTRIAN PUSH BUTTON	12	EA	\$ 350.00	\$ 4,200.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	6	EA	\$ 1,500.00	\$ 9,000.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 47,413.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,537.07
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,049.43
	Estimated Project Cost:	\$ 65,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Danger	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X					X	X		
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%		X				X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X		X	X				Install colored truncated domes
No color contrast at base of ramp		X		X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"		X		X	X	X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X		X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X		X	X	X	X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X		X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"		X		X	X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H		H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	60.56	SY	\$ 80.00	\$ 4,844.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 19,724.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,118.03
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,157.37
	Estimated Project Cost:	\$ 27,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	4A	4B	4C	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%					X	X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X	X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X	X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X	X	X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist						X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		-		H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

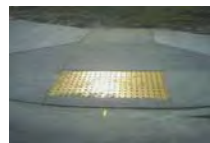
Corner 2

Ramp 4B Corner 4



Corner 3

Ramp 3A



Ramp 4C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	80.04	SY	\$ 10.00	\$ 800.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	80.04	SY	\$ 80.00	\$ 6,403.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,160.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,502.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,337.03
	Estimated Project Cost:	\$ 21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	-	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	-	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X	X					Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	H	M	H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 52,856.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 8,204.36
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,939.14
	Estimated Project Cost:	\$ 72,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	552	LF	\$ 6.50	\$ 3,588.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 44,900.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,899.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,199.77
	Estimated Project Cost:	\$ 61,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	X	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X				X		X		Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Remove and replace pedestrian push button
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X		X		X		
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Install clear floor space
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"									Install clear floor space
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									Install clear floor space
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	35.55	SY	\$ 10.00	\$ 355.50
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 44,219.80
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 6,762.94
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 9,017.26
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 60,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X			X					
Ramp running slope is greater than 8.33%	X			X			X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X			X			X		Install colored truncated domes
No color contrast at base of ramp	X			X			X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X		X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 29,456.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,518.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,024.91
	Estimated Project Cost:	\$ 40,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%									Install landing area
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X	X	X	X	X	X	X	X	
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X	X	X	X	X	
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									Install clear floor space
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	57.77	SY	\$ 10.00	\$ 577.70
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	69.99	SY	\$ 80.00	\$ 5,599.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	338	LF	\$ 6.50	\$ 2,197.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,690.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,561.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,748.34
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	Good	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	No	N/A	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%		X		X			X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X			X		Install colored truncated domes
No color contrast at base of ramp	X	X	X	X			X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X			X			X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X			X	X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	H	M	H		H		

Ramp 1B



Ramp 1D



Ramp 2A



Ramp 1A



Ramp 1C



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

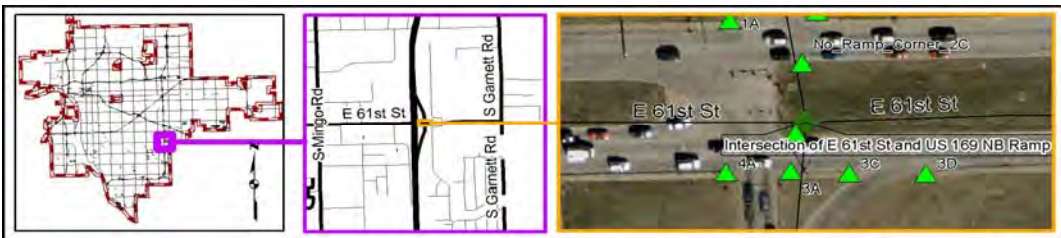
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	76.68	SY	\$ 10.00	\$ 766.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	100.01	SY	\$ 80.00	\$ 8,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	418	LF	\$ 6.50	\$ 2,717.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	10	EA	\$ 350.00	\$ 3,500.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 32,097.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,100.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,801.26
	Estimated Project Cost:	\$ 44,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID							Recommendations	
	1A	2A	2C	3A	3C	3D	4A		4E
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X					X	Install handicap ramp and ped pole assembly
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%		X				X	X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X		X	X	X	X		Install colored truncated domes
No color contrast at base of ramp	X	X		X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X		X	X	X	X		Install landing area
No pedestrian push buttons			X					X	
Pedestrian pushbutton diameter is not 2"	X	X		X	X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X							Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X		X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"		X							Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H	M	M	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A

Ramp 3C



Ramp 4A



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,544.23
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	49.45	SY	\$ 10.00	\$ 494.50
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	49.45	SY	\$ 80.00	\$ 3,956.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,504.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,069.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,426.06
	Estimated Project Cost:	\$ 34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	41.13	SY	\$ 10.00	\$ 411.30
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	41.13	SY	\$ 80.00	\$ 3,290.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,677.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,709.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,613.14
	Estimated Project Cost:	\$ 22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	Worn	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	-		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	39.45	SY	\$ 80.00	\$ 3,156.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,443.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,953.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,604.00
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	Worn	Yes	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X		X		X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 19,721.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,119.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,159.09
	Estimated Project Cost:	\$ 27,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



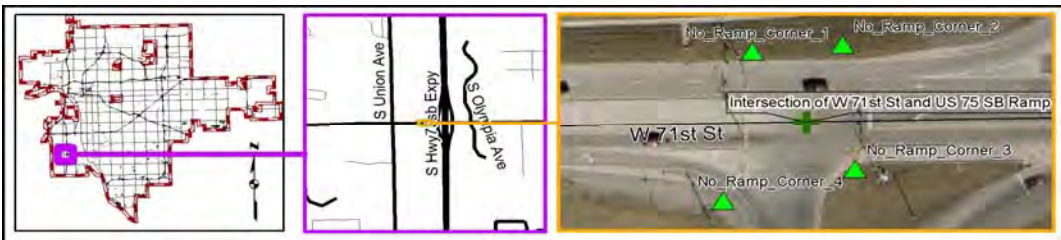
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	2,808.00
<input checked="" type="checkbox"/>	No Design			Engineering: (% +/-)	15% \$ 510.86
<input type="checkbox"/>	Preliminary Design			Contingency: (% +/-)	20% \$ 681.14
<input type="checkbox"/>	Final Design			Estimated Project Cost: \$	4,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	-	-	-	-	-	-	-	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

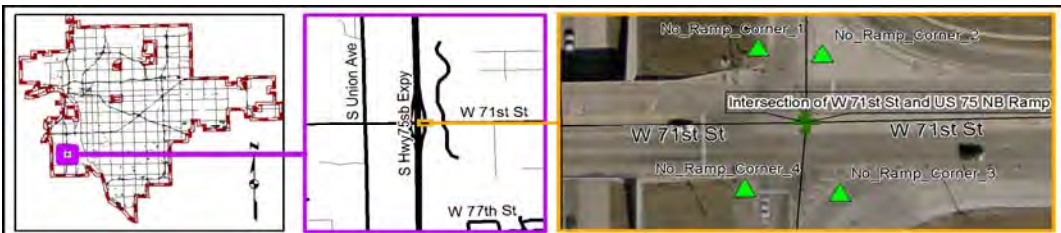
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,399.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,686.06
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,914.74
	Estimated Project Cost:	\$ 33,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X		X		X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	73.32	SY	\$ 10.00	\$ 733.20
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	73.32	SY	\$ 80.00	\$ 5,865.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 27,218.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,192.03
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,589.37
	Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X				
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X	X	X	X	X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.66	SY	\$ 10.00	\$ 366.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,512.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,923.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,564.23
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	-	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X				X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry	X								Remove ramp
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	4.44	SY	\$ 80.00	\$ 355.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	32,199.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 5,057.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 6,743.31
	Estimated Project Cost:	\$	44,000.00

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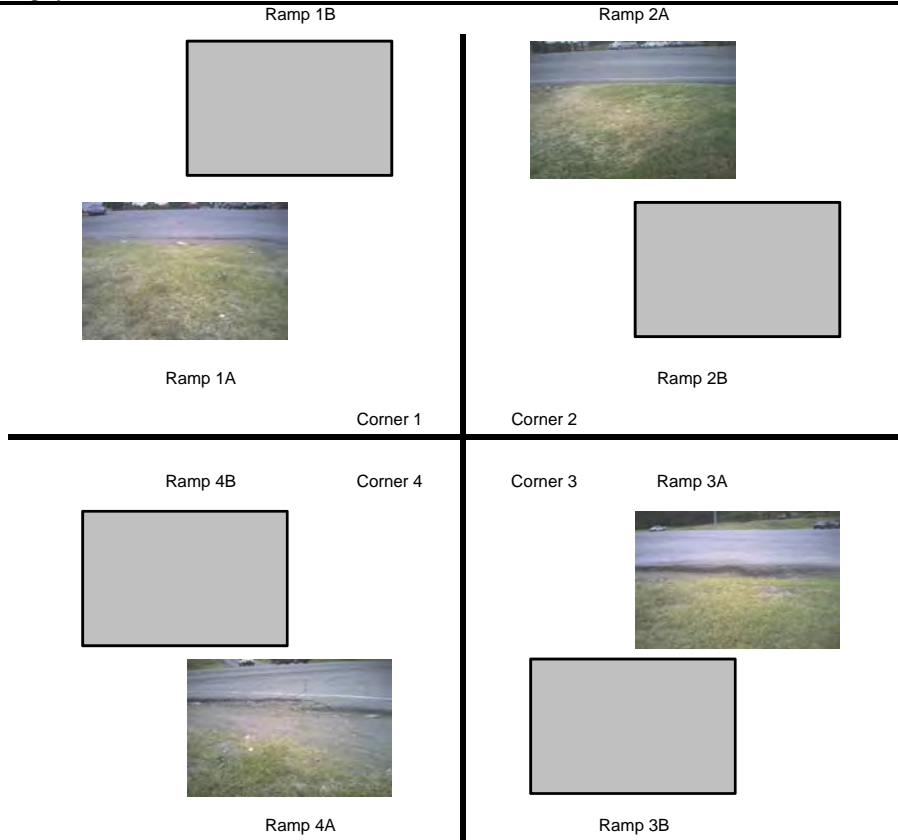
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X			X			X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,005.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,568.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,425.26
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	-		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	58.88	SY	\$ 80.00	\$ 4,710.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	572	LF	\$ 6.50	\$ 3,718.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 52,800.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 8,228.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,971.20
	Estimated Project Cost:	\$ 72,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Danger	Danger	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	X	-	-	-	
Crosswalk striping	No	Worn	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X	X					X	
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X		X		
No color contrast at base of ramp	X	X	X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X		X		Install landing area
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"	X			X	X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X			X	X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X				X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X	X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X		X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	518	LF	\$ 6.50	\$ 3,367.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 38,968.40 Engineering: (% +/-) 15% \$ 6,013.54 Contingency: (% +/-) 20% \$ 8,018.06 Estimated Project Cost: \$ 53,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	X	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%									Install colored truncated domes
Ramp cross slope is greater than 2%	X		X		X				
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Remove and replace pedestrian push button
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Relocate pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove existing push buttons and install pedestal pole
Pedestrian pushbutton height is greater than 42"	X		X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X		X		X		Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		
Ramp transition onto roadway is greater than 0.25"									Install clear floor space
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	54.46	SY	\$ 10.00	\$ 544.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	54.46	SY	\$ 80.00	\$ 4,356.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,652.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,577.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,770.29
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X				X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	562	LF	\$ 6.50	\$ 3,653.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 32,054.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,119.59
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,826.11
	Estimated Project Cost:	\$ 44,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Danger	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X		X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X			X					Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"				X		X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H	H	H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	97.79	SY	\$ 10.00	\$ 977.90
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	98.9	SY	\$ 80.00	\$ 7,912.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	294	LF	\$ 6.50	\$ 1,911.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	7	EA	\$ 100.00	\$ 700.00
9	PEDESTRIAN PUSH BUTTON	7	EA	\$ 350.00	\$ 2,450.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	5	EA	\$ 1,500.00	\$ 7,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 34,570.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,326.84
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,102.46
	Estimated Project Cost:	\$ 47,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	Good	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	Worn	N/A	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	1E	2A	3A	4A	4C	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X	X			X	
Ramp cross slope is greater than 2%		X	X	X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X		X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X		X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X			X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"				X	X	X	X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"				X	X	X	X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X	X	X	X	X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X			X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"		X							
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	M	M	H	M	M	M	

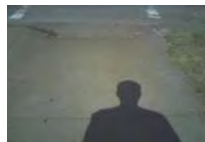
Ramp 1B



Ramp 1D



Ramp 2A



Ramp 1A



Ramp 1C



Ramp 2B

Corner 1

Corner 2

Ramp 4B Corner 4



Corner 3

Ramp 3A



Ramp 4C



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
Program: ADA Self-Evaluation and Transition Plan Update
KHA No.: 061274700

Date: 6/25/12
Prepared By: EPE
Checked By: SRA

Project Name: Intersection of E 71st St and US 169 NB Ramp

GPS ID: 0414

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.66	SY	\$ 10.00	\$ 366.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	234	LF	\$ 6.50	\$ 1,521.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	30	SF	\$ 30.00	\$ 900.00
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,681.10
Engineering: (% +/-)	15%	\$ 3,993.81
Contingency: (% +/-)	20%	\$ 5,325.09
Estimated Project Cost:	\$	34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Worn	Worn	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID												Recommendations
	1A	2A	2B	2C	2D	2E	3A	3B	3C	3D	3E	4A	
Ramp does not land in crosswalk													
No 48" extension into crosswalk													
Ramp does not exist and is needed													
Flare cross slope is greater than 10%												X	
Ramp running slope is greater than 8.33%				X				X	X	X			
Ramp cross slope is greater than 2%	X	X						X	X				
Ramp width is less than 36"													
Obstruction present in ramp or landing area													
No textured surface at base of ramp	X	X	X	X	X	X	X	X	X	X	X	X	
No color contrast at base of ramp	X	X	X	X	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X	X			X	X		
No pedestrian push buttons													
Pedestrian pushbutton diameter is not 2"							X	X	X	X	X	X	
Pedestrian pushbutton height is greater than 42"						X	X	X	X	X	X	X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge													
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X	X	X	X	X	X	X	X	
Ramp transition onto roadway is greater than 0.25"		X	X	X									
Ponding occurs at base of ramp					X		X	X		X		X	
Ramp not needed due to intersection geometry													
Ramp Priority:	H	H	H	H	H	M	H	M	H	M	H	M	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 2E



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 3E



Ramp 4A



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	568	LF	\$ 6.50	\$ 3,692.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	22,204.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 3,340.93
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 4,454.57
	Estimated Project Cost:	\$	30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

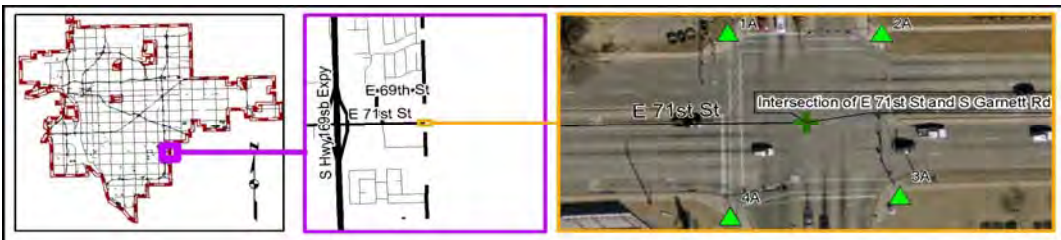
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	52.24	SY	\$ 10.00	\$ 522.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	52.24	SY	\$ 80.00	\$ 4,179.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,452.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,663.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,884.46
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X			X		X		Install colored truncated domes
No color contrast at base of ramp	X	X			X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X				Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X							Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X							Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	M	M	M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

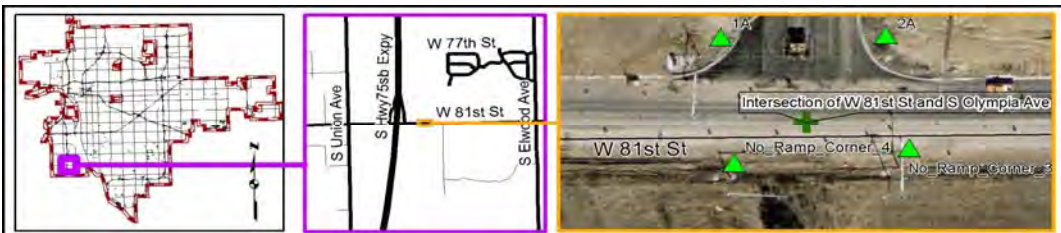
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,817.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,364.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,818.86
	Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	Yes	No	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M					H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Project Name: Intersection of Riverside Dr and E 81st St GPS ID: 0418

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	116.65	SY	\$ 10.00	\$ 1,166.50
2	REMOVING CONC (WHEELCHAIR RAMP)	101.1	SY	\$ 30.00	\$ 3,033.00
3	CONCRETE SIDEWALK (SD-1) (4")	117.76	SY	\$ 80.00	\$ 9,420.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	12	EA	\$ 1,500.00	\$ 18,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 40,264.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,315.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,420.40
	Estimated Project Cost:	\$ 55,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations		
	1A	2A	2B	2C	2D	3A	3C	3D		4A	4B
Ramp does not land in crosswalk				X	X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X	X	X	X	X	X	X	X	X	
Ramp does not exist and is needed											
Flare cross slope is greater than 10%	X			X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%		X			X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X					X	X	X	X	Remove and replace ramp
Ramp width is less than 36"											
Obstruction present in ramp or landing area			X						X	X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons											
Pedestrian pushbutton diameter is not 2"		X	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"						X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge											
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X			X			X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25'			X								Regrade roadway
Ponding occurs at base of ramp		X	X						X		
Ramp not needed due to intersection geometry											
Ramp Priority:	H	M	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B



Ramp 2C

Corner 1

Corner 2

Ramp 4B

Corner 4



Ramp 4A

Corner 3

Ramp 3A

Ramp 3C



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	26.12	SY	\$ 10.00	\$ 261.20
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,542.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,053.39
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,404.51
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,740.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,111.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,148.11
	Estimated Project Cost:	\$ 26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	N/A	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	13,612.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	2,308.97
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	3,078.63
	Estimated Project Cost:	\$	19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%			X		X	X	X		
Ramp cross slope is greater than 2%					X	X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X	X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	-		M		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 28,112.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,237.50
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,650.00
	Estimated Project Cost:	\$ 38,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Project Name: Intersection of E 81st St and S Yale Ave GPS ID: 0423

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,834.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,356.73
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,808.97
	Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%		X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X		X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X		X		X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X							X	Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	50.56	SY	\$ 10.00	\$ 505.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	50.56	SY	\$ 80.00	\$ 4,044.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,504.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,069.59
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,426.11
	Estimated Project Cost:	\$ 34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X			X		X		Install colored truncated domes
No color contrast at base of ramp	X	X			X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X			X		X		Regrade roadway
Ponding occurs at base of ramp	X	X			X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 31,069.50
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 4,684.50
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 6,246.00
		Estimated Project Cost:	\$ 42,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 20,512.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,208.93
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,278.57
	Estimated Project Cost:	\$ 28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X				X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		L		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,412.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,823.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,764.23
	Estimated Project Cost:	\$ 24,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X			X		X			
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X						X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	93.32	SY	\$ 10.00	\$ 933.20
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	93.32	SY	\$ 80.00	\$ 7,465.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 37,333.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,857.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,809.60
	Estimated Project Cost:	\$ 51,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	1C	1D	2A	3A	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%		X	X	X		X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%		X	X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X			X	X			Install colored truncated domes
No color contrast at base of ramp		X			X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X		X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X			X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp	X				X	X		X	
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H	H	H	H	H	H	

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	68.88	SY	\$ 10.00	\$ 688.80
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	71.1	SY	\$ 80.00	\$ 5,688.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	498	LF	\$ 6.50	\$ 3,237.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 31,433.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,957.03
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,609.37
	Estimated Project Cost:	\$ 43,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X					X		
Ramp running slope is greater than 8.33%		X	X	X	X		X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X	X	X	X	X		X		
No textured surface at base of ramp	X	X	X	X	X		X		
No color contrast at base of ramp	X	X	X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"							X		
Pedestrian pushbutton height is greater than 42"								X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X	X		X		
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp	X			X					
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	M	H	H		H		

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Project Name: Intersection of Riverside Dr and E 91st St S GPS ID: 0431

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	103.89	SY	\$ 10.00	\$ 1,038.90
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	118.33	SY	\$ 80.00	\$ 9,466.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	9	EA	\$ 1,500.00	\$ 13,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 32,403.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,969.84
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,626.46
	Estimated Project Cost:	\$ 44,000.00

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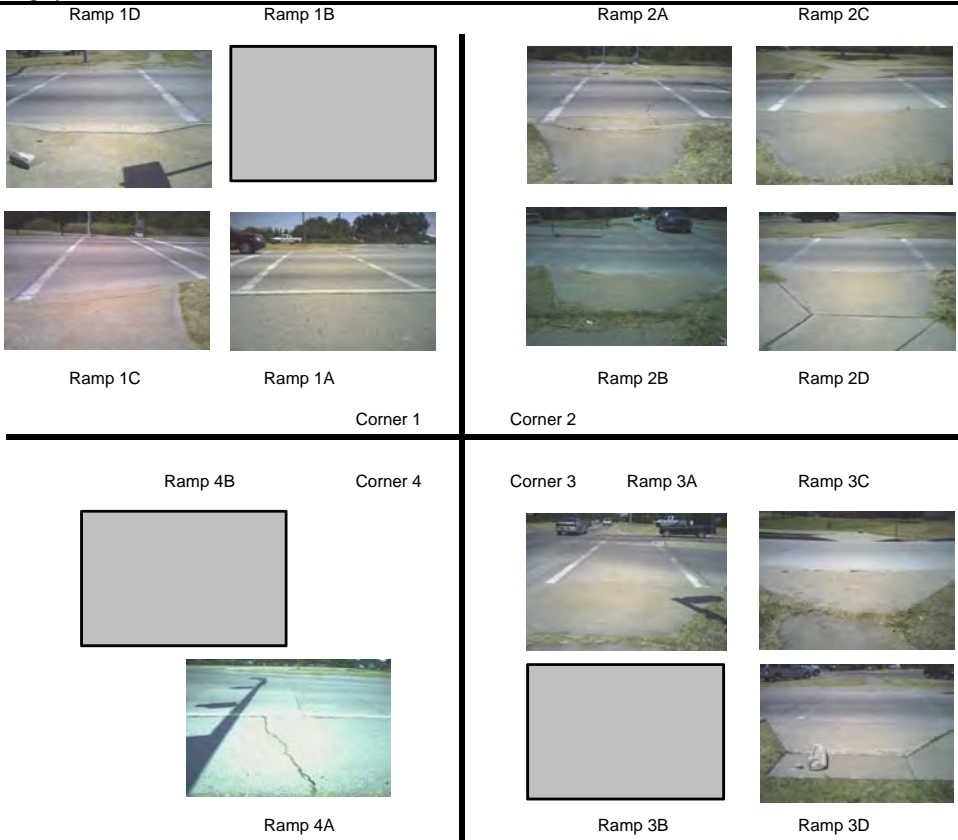
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	Worn	Worn	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID									Recommendations	
	1A	1C	1D	2A	2B	2C	2D	3A	3C		3D
Ramp does not land in crosswalk											
No 48" extension into crosswalk											
Ramp does not exist and is needed	X										Install handicap ramp
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X					X				
Ramp cross slope is greater than 2%	X									X	Remove and replace ramp
Ramp width is less than 36"											
Obstruction present in ramp or landing area				X	X					X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons		X									Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"	X										Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X			X	X			X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge											
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X	X			X			Install clear floor space
Ramp transition onto roadway is greater than 0.25'											
Ponding occurs at base of ramp											
Ramp not needed due to intersection geometry											
Ramp Priority:	H	H	H	H	H	M	H	H	H	H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	57.77	SY	\$ 10.00	\$ 577.70
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	59.99	SY	\$ 80.00	\$ 4,799.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 31,237.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,041.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,721.49
	Estimated Project Cost:	\$ 43,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk							X	X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							X	X	
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%			X					X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X	X	Install colored truncated domes
No color contrast at base of ramp	X		X		X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X				X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X			X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X	X	Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4D



Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4C



Ramp 4A



Ramp 3B

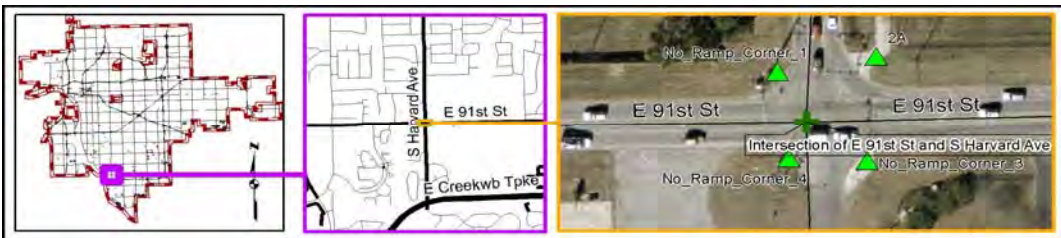
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	14.44	SY	\$ 10.00	\$ 144.40
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 43,802.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,941.96
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,255.94
	Estimated Project Cost:	\$ 60,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									Install clear floor space
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"			X		X		X		
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"									Install clear floor space
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,512.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,637.50
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,850.00
	Estimated Project Cost:	\$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

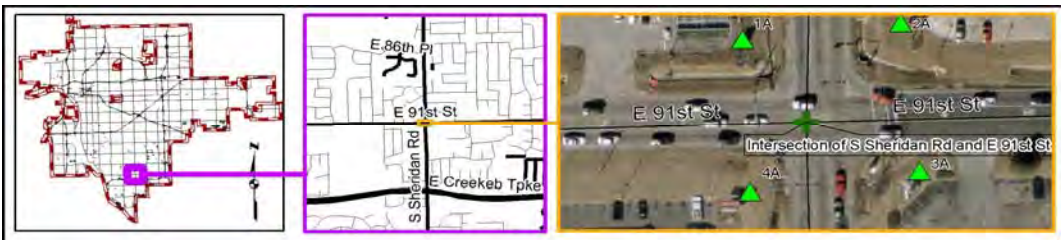
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	39.45	SY	\$ 10.00	\$ 394.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	39.45	SY	\$ 80.00	\$ 3,156.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,157.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,075.53
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,767.37
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X			X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		L		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,334.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,142.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,523.31
	Estimated Project Cost:	\$ 35,000.00

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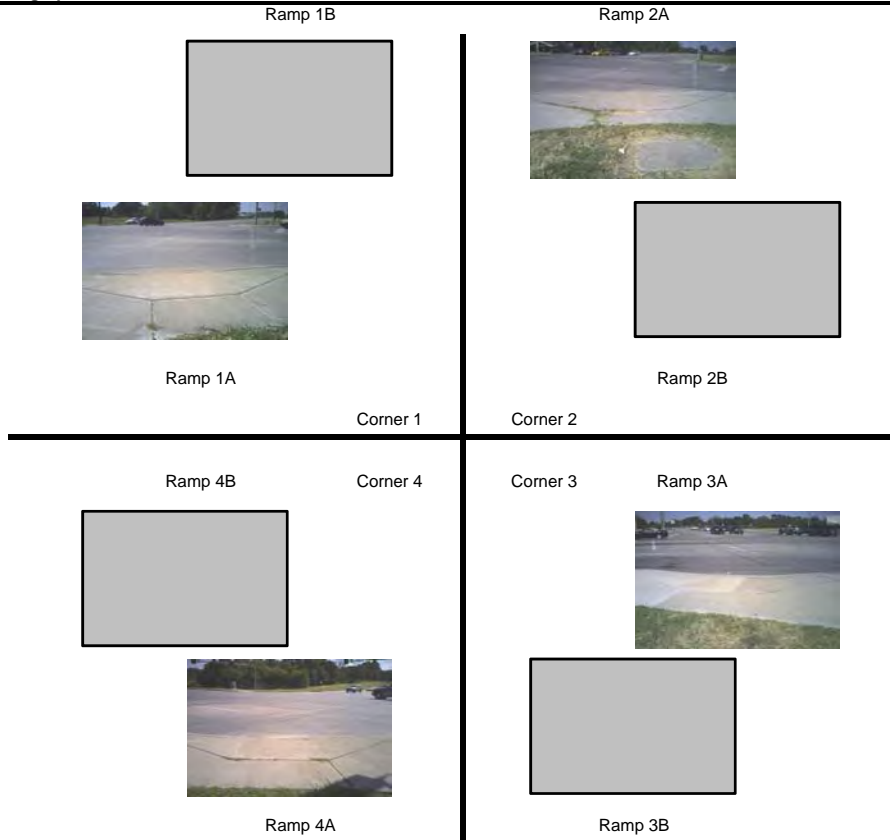
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X			
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp			X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	35.55	SY	\$ 10.00	\$ 355.50
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	478	LF	\$ 6.50	\$ 3,107.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 34,806.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,226.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,968.00
	Estimated Project Cost:	\$ 47,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Poor	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X				X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	458	LF	\$ 6.50	\$ 2,977.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 19,514.90 Engineering: (% +/-) 15% \$ 3,207.90 Contingency: (% +/-) 20% \$ 4,277.20 Estimated Project Cost: \$ 27,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X					X	
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X						
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B Corner 4



Corner 3

Ramp 3A



Ramp 4C



Ramp 4A



Ramp 3B

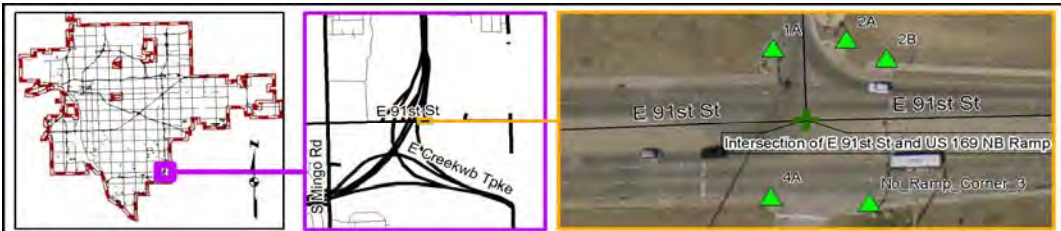
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	428	LF	\$ 6.50	\$ 2,782.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,327.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,716.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,955.66
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X	X			X		
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X				X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X	X			X		
No color contrast at base of ramp	X		X	X			X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X			X		Install landing area
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X	X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X		X		
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



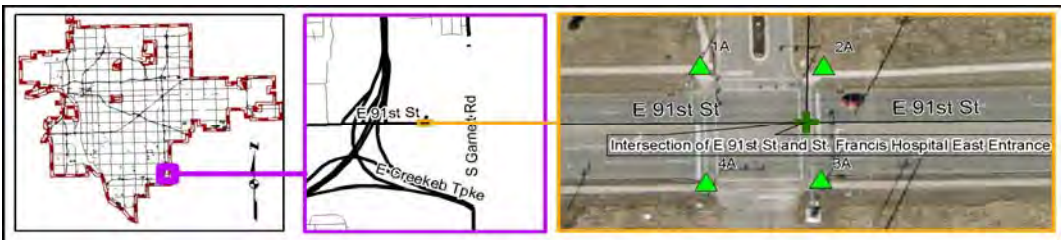
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	538	LF	\$ 6.50	\$ 3,497.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	27,087.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 4,248.34
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 5,664.46
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 54,056.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 8,118.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,824.91
	Estimated Project Cost:	\$ 73,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	23.33	SY	\$ 80.00	\$ 1,866.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,492.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,931.87
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,575.83
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	No	Yes	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons	X								Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 52,456.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,947.21
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,596.29
	Estimated Project Cost:	\$ 71,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	No	Worn	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

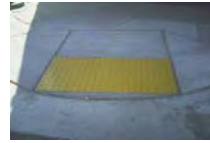
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	97.76	SY	\$ 10.00	\$ 977.60
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	97.76	SY	\$ 80.00	\$ 7,820.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	16	EA	\$ 100.00	\$ 1,600.00
9	PEDESTRIAN PUSH BUTTON	16	EA	\$ 350.00	\$ 5,600.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	8	EA	\$ 1,500.00	\$ 12,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 69,168.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 10,641.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 14,189.26
	Estimated Project Cost:	\$ 94,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	No	Worn	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X				X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X				X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X							Install colored truncated domes
No color contrast at base of ramp	X	X							
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X							Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X	X	X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



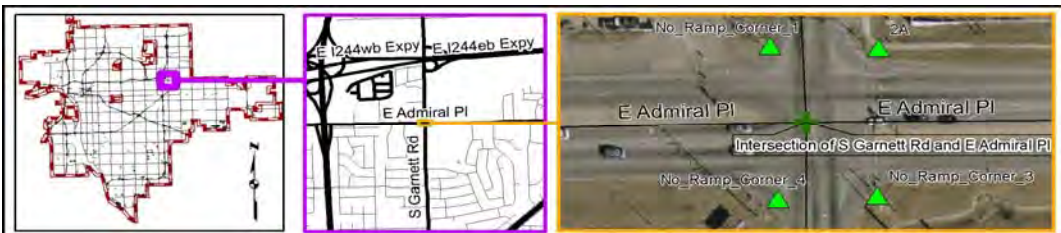
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	16,872.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,626.03
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,501.37
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

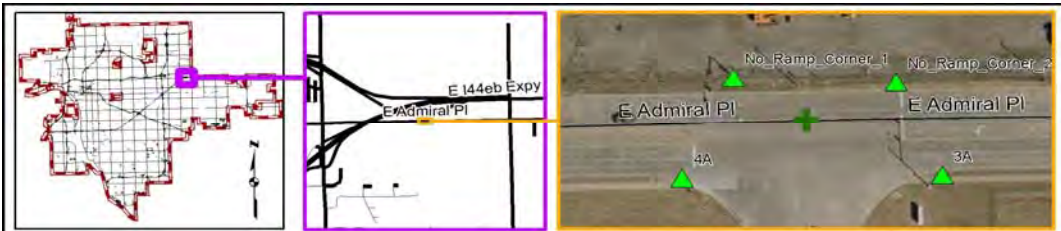
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,522.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,918.84
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,558.46
	Estimated Project Cost:	\$ 17,000.00

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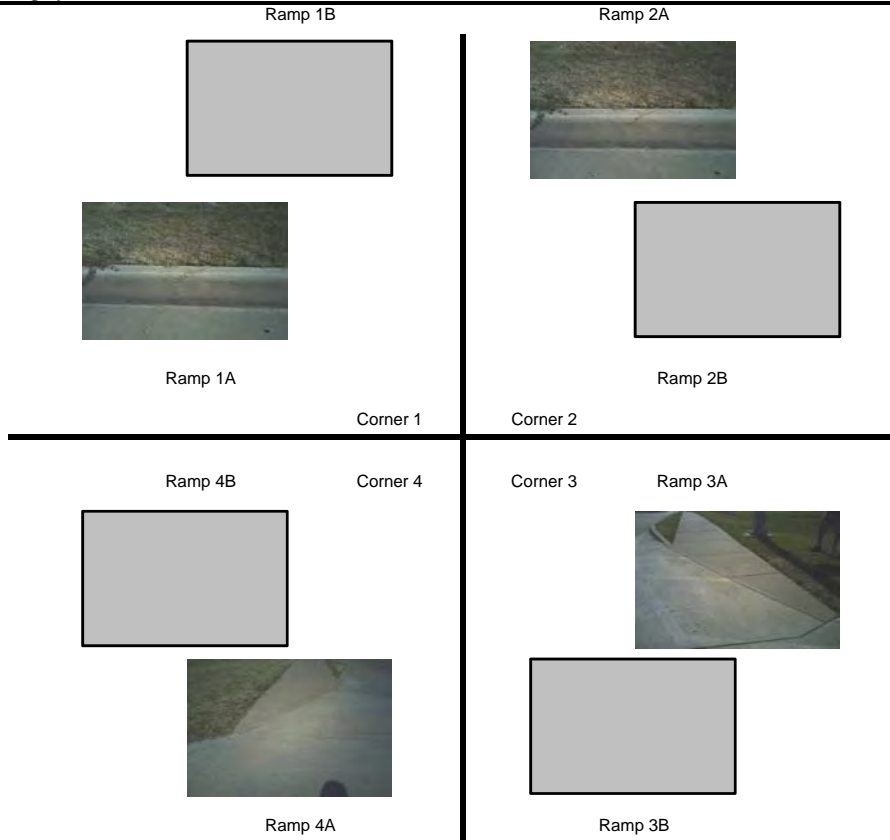
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons			X						Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"	X				X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



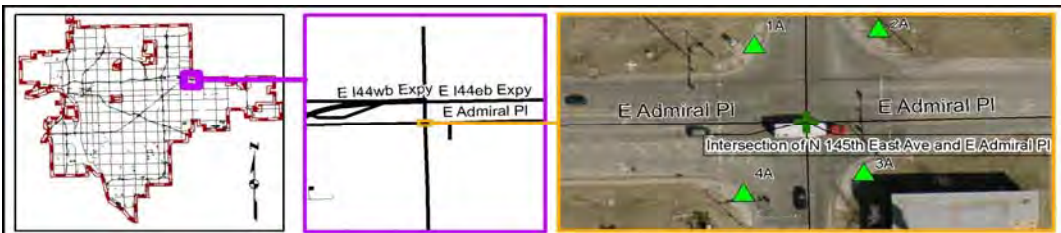
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	51.67	SY	\$ 10.00	\$ 516.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	31,204.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 5,055.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 6,740.46
	Estimated Project Cost:	\$	43,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X				X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	96.68	SY	\$ 10.00	\$ 966.80
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	96.68	SY	\$ 80.00	\$ 7,734.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 27,265.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,172.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,562.86
	Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

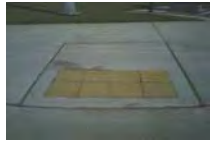
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X	X	
Ramp running slope is greater than 8.33%	X	X	X				X	X	
Ramp cross slope is greater than 2%								X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X					Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X	X	X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	M	M	M	M	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

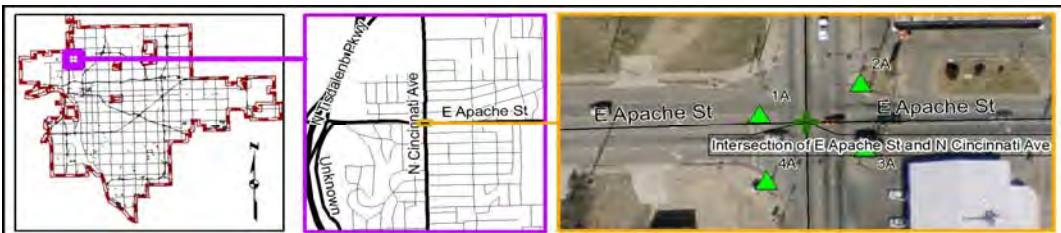
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 47,956.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,304.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,739.20
	Estimated Project Cost:	\$ 65,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%			X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp	X		X		X				
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 42,156.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,361.50
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,482.00
	Estimated Project Cost:	\$ 57,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	61.1	SY	\$ 10.00	\$ 611.00
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	482	LF	\$ 6.50	\$ 3,133.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	10	EA	\$ 500.00	\$ 5,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 49,148.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,650.64
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,200.86
	Estimated Project Cost:	\$ 67,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%	X		X	X			X		
Ramp cross slope is greater than 2%	X		X	X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X					Install colored truncated domes
No color contrast at base of ramp	X		X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X	X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M	H	H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	54.46	SY	\$ 80.00	\$ 4,356.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 48,668.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,427.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,903.66
	Estimated Project Cost:	\$ 66,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	100.55	SY	\$ 10.00	\$ 1,005.50
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	100.55	SY	\$ 80.00	\$ 8,044.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	10	EA	\$ 100.00	\$ 1,000.00
9	PEDESTRIAN PUSH BUTTON	10	EA	\$ 350.00	\$ 3,500.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	5	EA	\$ 1,500.00	\$ 7,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	8	LS	\$ 1,000.00	\$ 8,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 65,716.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 9,978.60
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 13,304.80
	Estimated Project Cost:	\$ 89,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X		X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X	X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X				X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X				X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X	X				X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp	X							X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	76.11	SY	\$ 10.00	\$ 761.10
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	76.11	SY	\$ 80.00	\$ 6,088.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	12	EA	\$ 100.00	\$ 1,200.00
9	PEDESTRIAN PUSH BUTTON	12	EA	\$ 350.00	\$ 4,200.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	6	EA	\$ 1,500.00	\$ 9,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 61,810.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 9,509.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 12,679.77
	Estimated Project Cost:	\$ 84,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X	X	X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X		X	X	X		Install colored truncated domes
No color contrast at base of ramp	X	X	X		X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X		X	X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X		X	X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X		X	X	X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X		X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X	X	X		X	X	X		Regrade roadway
Ponding occurs at base of ramp						X	X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	56.71	SY	\$ 10.00	\$ 567.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	60.04	SY	\$ 80.00	\$ 4,803.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 34,914.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,608.16
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,477.54
	Estimated Project Cost:	\$ 48,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X				X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

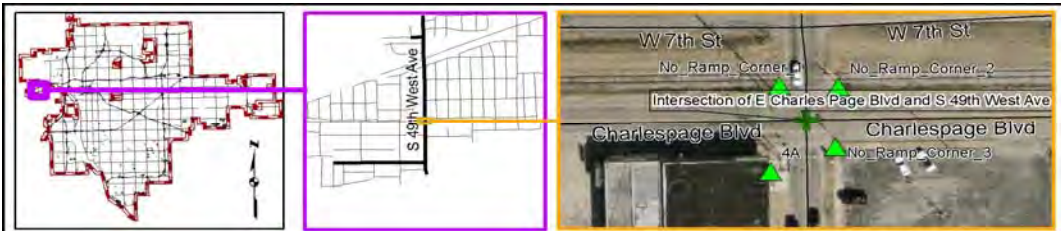
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	12.22	SY	\$ 10.00	\$ 122.20
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	44,513.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,065.64
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,420.86
	Estimated Project Cost: \$	61,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons	X		X		X				Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"							X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

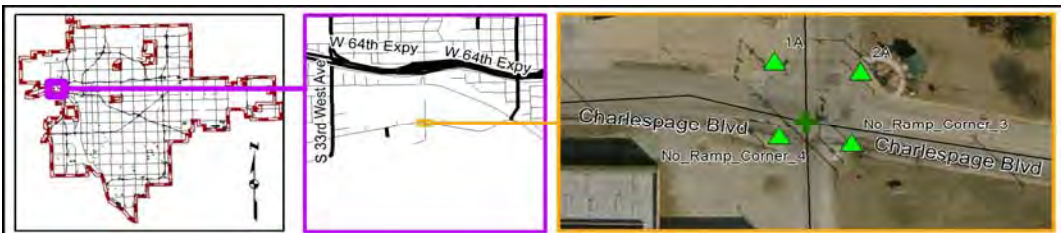
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.55	SY	\$ 10.00	\$ 255.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 35,430.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,386.93
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,182.57
	Estimated Project Cost:	\$ 48,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	-	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,692.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,417.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,890.17
	Estimated Project Cost:	\$ 12,000.00

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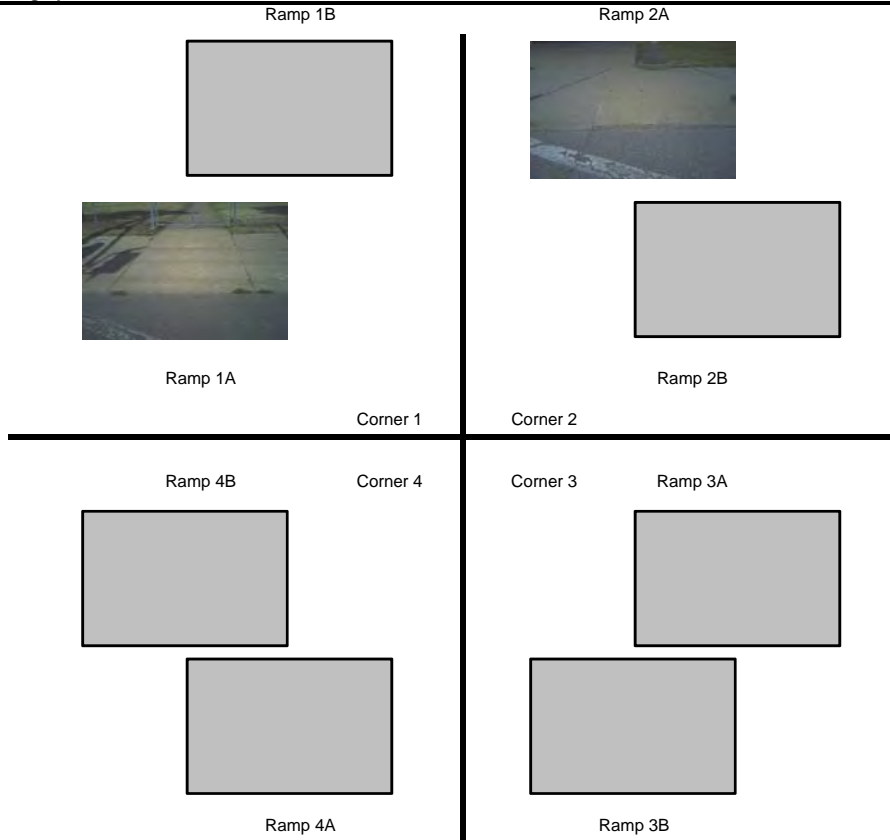
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H						



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	40.56	SY	\$ 10.00	\$ 405.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$ 39,989.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 6,004.37
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 8,005.83
	Estimated Project Cost: \$ 54,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X		X		Install colored truncated domes
No color contrast at base of ramp			X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	39.45	SY	\$ 80.00	\$ 3,156.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	21,335.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,284.96
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,379.94
	Estimated Project Cost: \$	29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Worn	Worn	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp	X		X		X				
Ramp not needed due to intersection geometry								X	Remove ramp
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.34	SY	\$ 10.00	\$ 483.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	20,484.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,220.76
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,294.34
	Estimated Project Cost: \$	28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Worn	Worn	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons							X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,706.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,411.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,882.17
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	28,456.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,518.73
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,024.97
	Estimated Project Cost: \$	39,000.00

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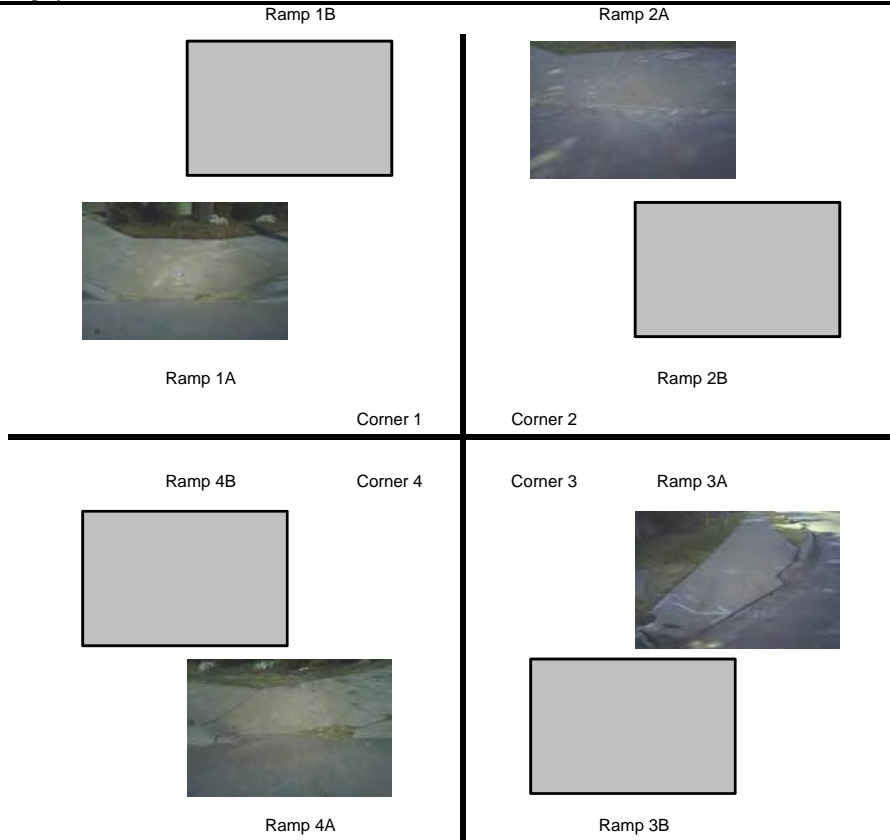
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Poor	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1.11	SY	\$ 10.00	\$ 11.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	2.22	SY	\$ 80.00	\$ 177.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	4,724.70
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 975.13
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 1,300.17
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	7,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

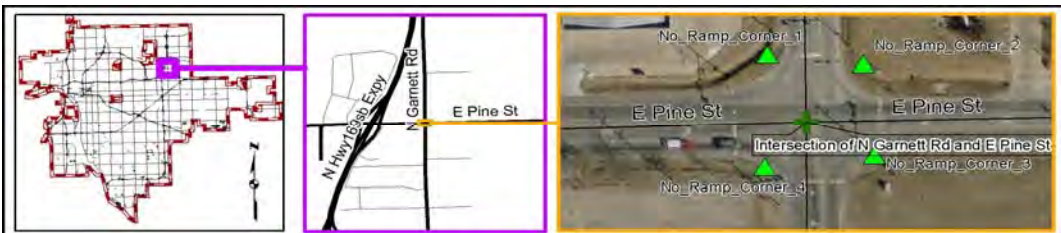
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	23,354.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,705.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,940.34
	Estimated Project Cost: \$	32,000.00

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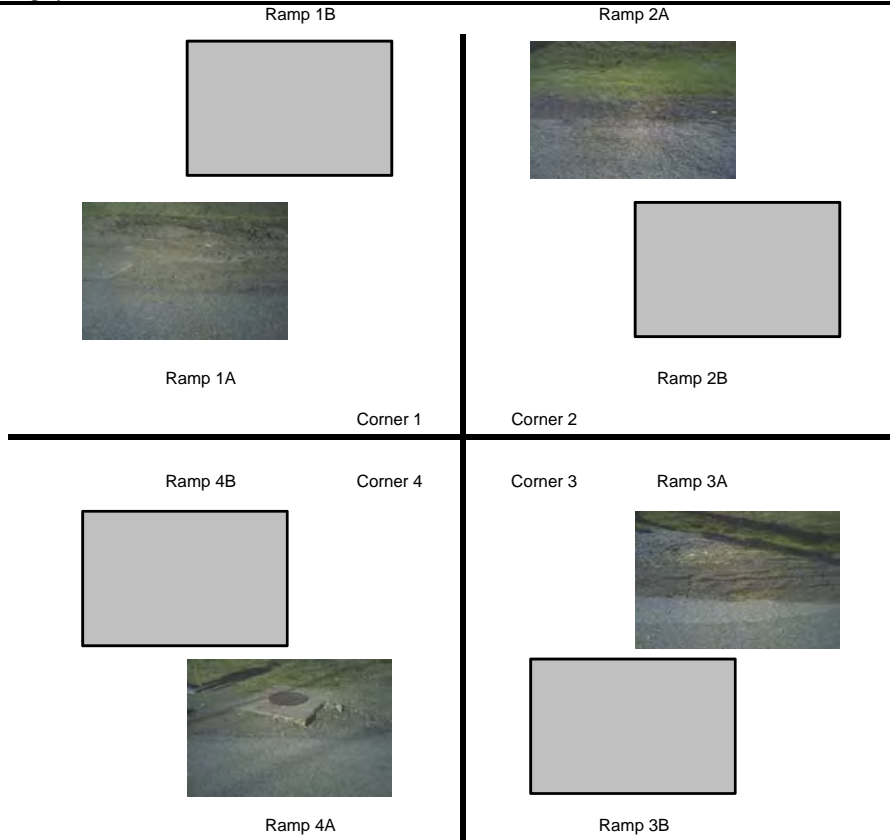
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	84.43	SY	\$ 10.00	\$ 844.30
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	84.43	SY	\$ 80.00	\$ 6,754.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	576	LF	\$ 2.00	\$ 1,152.00
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 26,117.80 Engineering: (% +/-) 15% \$ 4,235.23 Contingency:(% +/-) 20% \$ 5,646.97 Estimated Project Cost: \$ 36,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	Yes	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	1C	2A	2B	3A	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X	X	X	X	X	X	X	
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X					Install colored truncated domes
No color contrast at base of ramp				X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"				X	X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X		X	X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	M	H	M	M	M	M	

Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	388	LF	\$ 6.50	\$ 2,522.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 41,337.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,283.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,378.40
	Estimated Project Cost:	\$ 56,000.00

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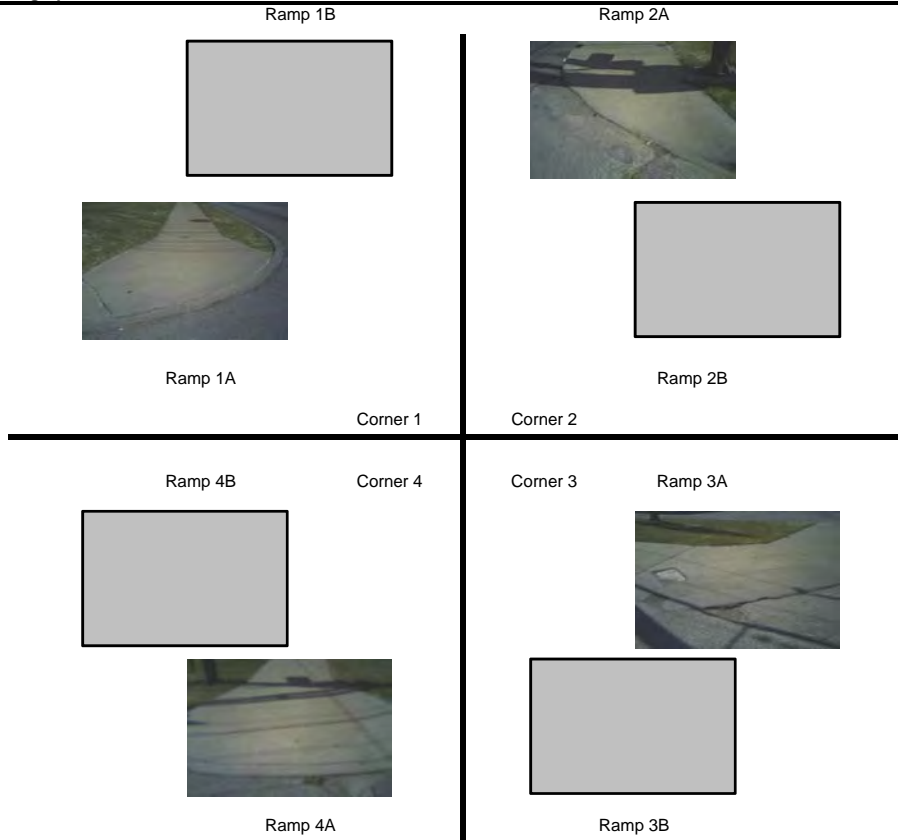
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.77	SY	\$ 10.00	\$ 477.70
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,512.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,637.50
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,850.00
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	23.33	SY	\$ 80.00	\$ 1,866.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	9,531.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,486.63
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,982.17
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	13,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	12.22	SY	\$ 10.00	\$ 122.20
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 25,479.90
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 4,080.04
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 5,440.06
		Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	338	LF	\$ 6.50	\$ 2,197.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,687.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,562.59
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,750.11
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	-	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 21,386.30
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 3,263.01
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 4,350.69
		Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	34.44	SY	\$ 10.00	\$ 344.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	45.55	SY	\$ 80.00	\$ 3,644.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	432	LF	\$ 2.00	\$ 864.00
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,756.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,533.01
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,710.69
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	Good	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	Yes	N/A	No	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk	X		X					X	Remove and replace crosswalk pavement markings
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X					X	
Ramp cross slope is greater than 2%	X							X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X					X	Install landing area
No pedestrian push buttons					X				Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X					X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	93.32	SY	\$ 80.00	\$ 7,465.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	352	LF	\$ 6.50	\$ 2,288.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	16	EA	\$ 1,500.00	\$ 24,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 35,455.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,376.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,168.23
	Estimated Project Cost:	\$ 48,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"	X		X		X		X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

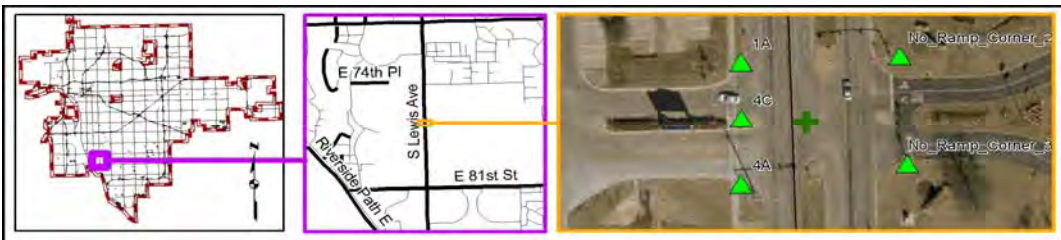
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	9	EA	\$ 1,500.00	\$ 13,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 26,839.20
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 4,354.63
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 5,806.17
		Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4C	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X							X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X	X	Install colored truncated domes
No color contrast at base of ramp	X						X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X				Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"					X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B Corner 4



Corner 3

Ramp 3A



Ramp 4C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	51.13	SY	\$ 10.00	\$ 511.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	54.46	SY	\$ 80.00	\$ 4,356.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	532	LF	\$ 6.50	\$ 3,458.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 43,132.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,800.27
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,067.03
	Estimated Project Cost:	\$ 59,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	X	
Crosswalk striping	No	Worn	No	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X				X		Remove and replace ramp
Ramp cross slope is greater than 2%			X				X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X						X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	51.67	SY	\$ 10.00	\$ 516.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	502	LF	\$ 6.50	\$ 3,263.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,623.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,018.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,358.17
	Estimated Project Cost:	\$ 34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



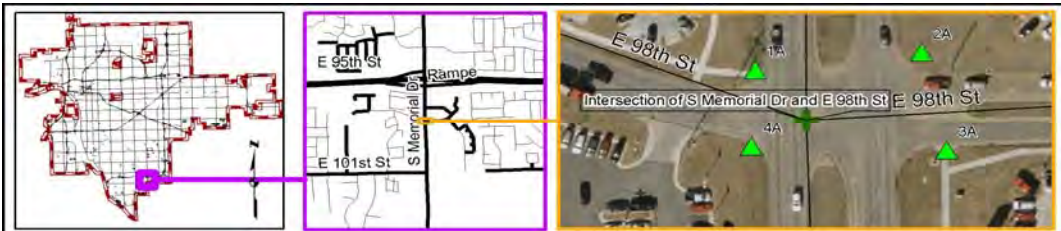
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	51.67	SY	\$ 10.00	\$ 516.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	51.67	SY	\$ 80.00	\$ 4,133.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	482	LF	\$ 6.50	\$ 3,133.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 24,893.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 3,902.91
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 5,203.89
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	73.32	SY	\$ 10.00	\$ 733.20
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	73.32	SY	\$ 80.00	\$ 5,865.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	338	LF	\$ 6.50	\$ 2,197.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	10	EA	\$ 100.00	\$ 1,000.00
9	PEDESTRIAN PUSH BUTTON	10	EA	\$ 350.00	\$ 3,500.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	32,415.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,964.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,619.66
	Estimated Project Cost: \$	44,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	No	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations	
	1A	2A	3A	3B	3C	4A	4C	4D		4E
Ramp does not land in crosswalk										
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%										
Ramp running slope is greater than 8.33%		X				X		X		
Ramp cross slope is greater than 2%		X		X		X	X		X	Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp				X						Install colored truncated domes
No color contrast at base of ramp				X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X					X		X	Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"	X	X			X	X	X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X	X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X					X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"								X	X	Regrade roadway
Ponding occurs at base of ramp	X					X				
Ramp not needed due to intersection geometry										
Ramp Priority:	M	H	M	M	M	M	M	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Corner 4

Corner 3

Ramp 4D

Ramp 4B

Ramp 3A

Ramp 3C



Ramp 4E



Ramp 4C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	43.35	SY	\$ 10.00	\$ 433.50
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	55.57	SY	\$ 80.00	\$ 4,445.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,026.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,560.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,413.49
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X		X		Install colored truncated domes
No color contrast at base of ramp			X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X	X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M	M	M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	62.78	SY	\$ 80.00	\$ 5,022.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 45,617.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,021.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,361.49
	Estimated Project Cost:	\$ 62,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3C	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 3B

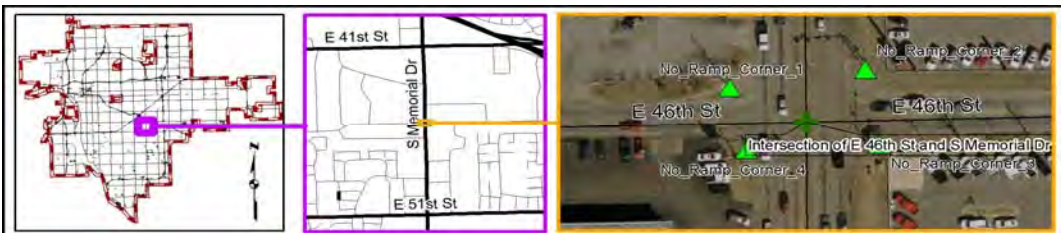
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 42,454.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,662.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,883.20
	Estimated Project Cost:	\$ 58,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	59.99	SY	\$ 80.00	\$ 4,799.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	5	EA	\$ 100.00	\$ 500.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,865.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,343.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,791.31
	Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X	X	X		X		
Ramp running slope is greater than 8.33%	X		X	X	X		X		
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X						X		
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X		X		Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X		X		X		
Pedestrian pushbutton height is greater than 42"			X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X				X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp			X				X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	72.21	SY	\$ 10.00	\$ 722.10
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	73.32	SY	\$ 80.00	\$ 5,865.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
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22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	34,251.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 5,463.64
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 7,284.86
	Estimated Project Cost:	\$	47,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X						Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X	X	X	X	X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	M	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	6	EA	\$ 500.00	\$ 3,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 43,768.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,956.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,274.97
	Estimated Project Cost:	\$ 60,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X	X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X	X	X	X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X	X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.23	SY	\$ 10.00	\$ 272.30
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	39.45	SY	\$ 80.00	\$ 3,156.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 27,839.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,354.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,805.94
	Estimated Project Cost:	\$ 38,000.00

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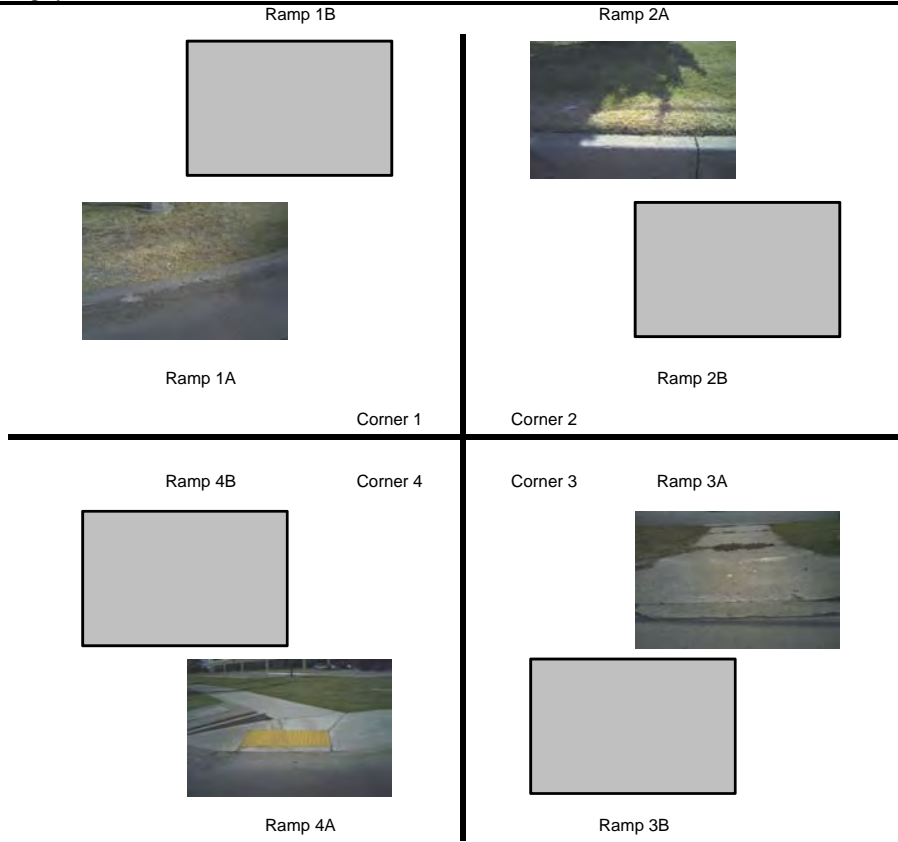
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	No	N/A	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H				M			H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.33	SY	\$ 10.00	\$ 133.30
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	35.55	SY	\$ 80.00	\$ 2,844.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
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21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,452.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,377.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,169.94
	Estimated Project Cost:	\$ 21,000.00

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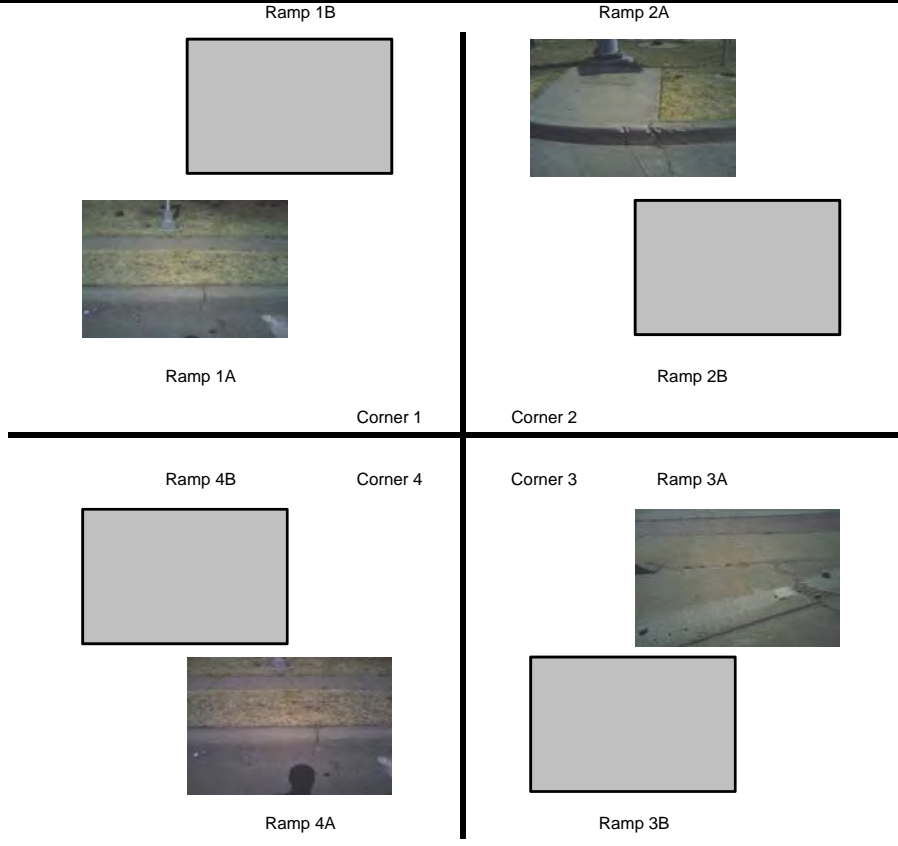
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Yes	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X						Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge					X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M			-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,254.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,748.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,997.49
	Estimated Project Cost:	\$ 32,000.00

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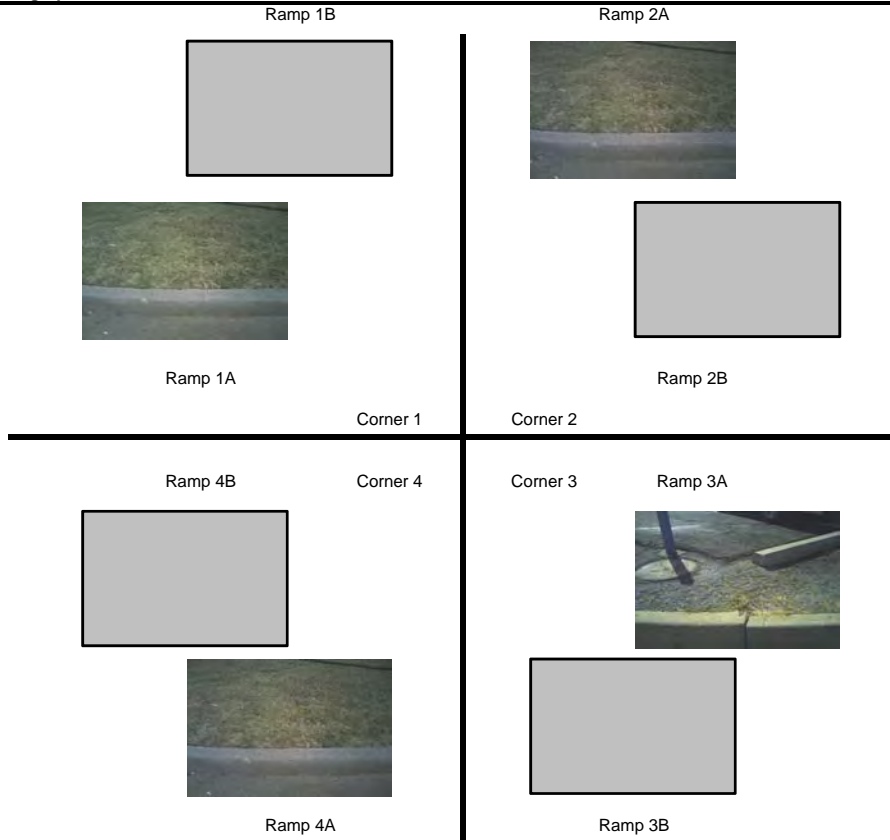
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



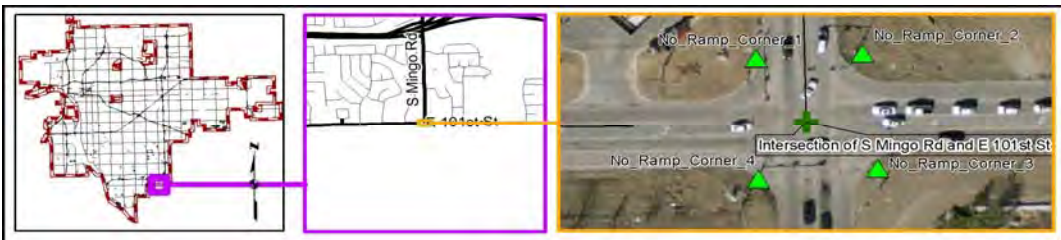
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$ 39,654.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 6,148.11
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 8,197.49
	Estimated Project Cost: \$ 54,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	45.55	SY	\$ 10.00	\$ 455.50
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost	Subtotal: \$ 28,723.10
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15% \$ 4,404.39
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-) 20% \$ 5,872.51
<input type="checkbox"/> Final Design	Estimated Project Cost: \$ 39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	X	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	42.24	SY	\$ 10.00	\$ 422.40
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	42.24	SY	\$ 80.00	\$ 3,379.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	458	LF	\$ 6.50	\$ 2,977.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	30	SF	\$ 30.00	\$ 900.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,981.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,579.19
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,438.91
	Estimated Project Cost:	\$ 22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	502	LF	\$ 6.50	\$ 3,263.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 27,531.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 4,486.71
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 5,982.29
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 38,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X				X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	13,061.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 2,116.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 2,822.29
	Estimated Project Cost:	\$	18,000.00

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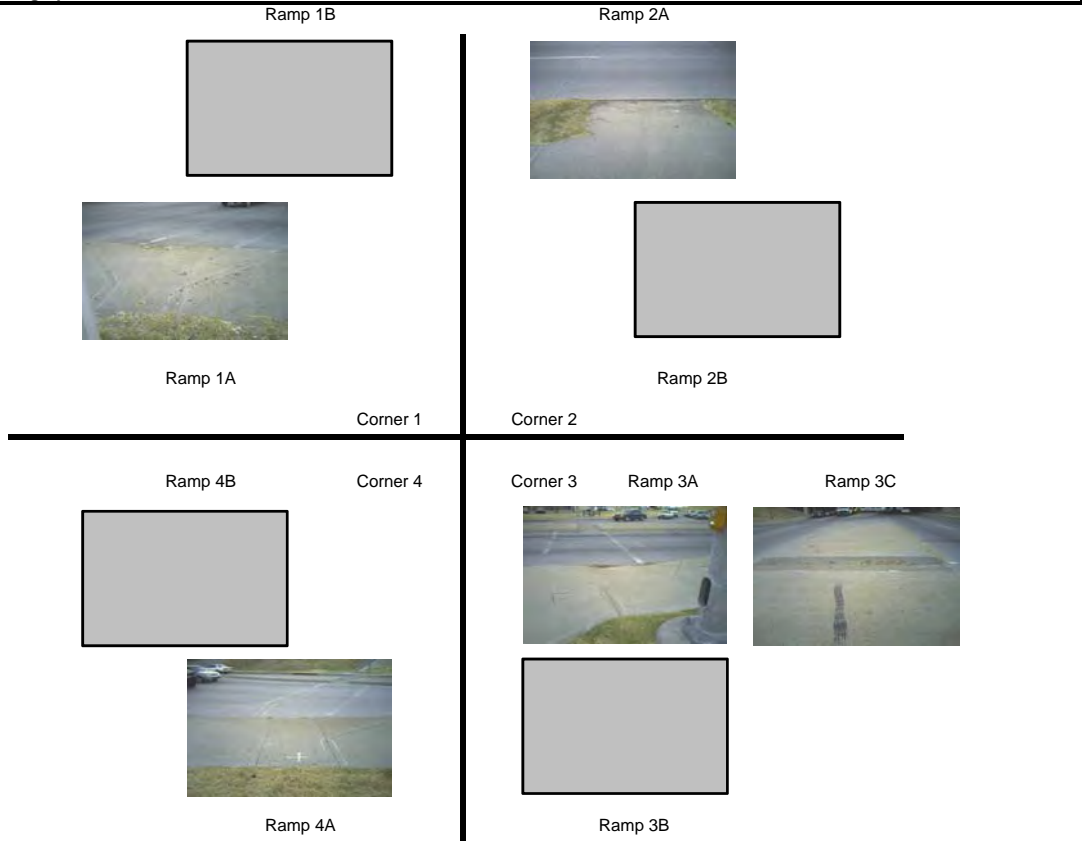
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	Good	
Crosswalk cross slope is greater than 5%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3C	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X				X	X	X		Install colored truncated domes
No color contrast at base of ramp	X				X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H				H	M	H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	194	LF	\$ 6.50	\$ 1,261.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,827.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,645.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,527.20
	Estimated Project Cost:	\$ 22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons	X				X		X		Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		-		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 29,768.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,813.37
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,417.83
	Estimated Project Cost:	\$ 41,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X								
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"	X								
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								Remove and replace pedestrian push button
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								
No pedestrian push buttons									Relocate pedestrian push button
Pedestrian pushbutton diameter is not 2"	X			X		X		X	
Pedestrian pushbutton height is greater than 42"	X		X		X			X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X			X	
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 16,131.10 Engineering: (% +/-) 15% \$ 2,515.24 Contingency: (% +/-) 20% \$ 3,353.66 Estimated Project Cost: \$ 22,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X						X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X						X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.55	SY	\$ 10.00	\$ 255.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	71.1	SY	\$ 80.00	\$ 5,688.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	7	EA	\$ 100.00	\$ 700.00
9	PEDESTRIAN PUSH BUTTON	9	EA	\$ 350.00	\$ 3,150.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 31,708.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,839.39
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,452.51
	Estimated Project Cost:	\$ 43,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	-	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3C	4A	4B	
Ramp does not land in crosswalk					X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X	X			
Ramp does not exist and is needed	X		X					X	Install handicap ramp
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X	X			
No textured surface at base of ramp					X	X			Install landing area
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				
No pedestrian push buttons			X						Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"	X				X	X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp					X	X			
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M	M	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1.11	SY	\$ 10.00	\$ 11.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	47.77	SY	\$ 80.00	\$ 3,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,126.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,802.84
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,070.46
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons					X				Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"	X						X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X						X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X				X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



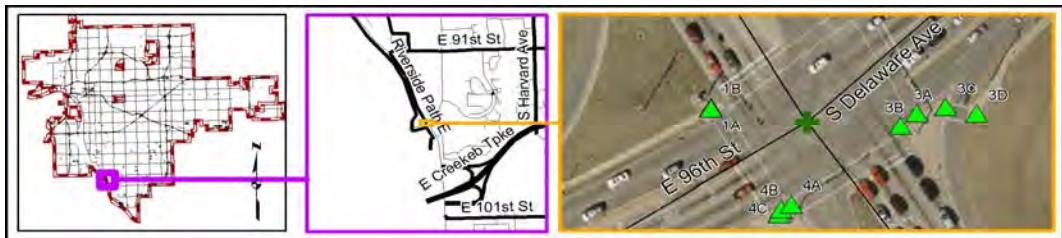
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	132.23	SY	\$ 10.00	\$ 1,322.30
2	REMOVING CONC (WHEELCHAIR RAMP)	90.99	SY	\$ 30.00	\$ 2,729.70
3	CONCRETE SIDEWALK (SD-1) (4")	135.56	SY	\$ 80.00	\$ 10,844.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	14	EA	\$ 100.00	\$ 1,400.00
9	PEDESTRIAN PUSH BUTTON	14	EA	\$ 350.00	\$ 4,900.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	9	LS	\$ 1,000.00	\$ 9,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	57,540.80
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 8,768.23
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 11,690.97
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	78,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Good	Good	Good	Repair roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID												Recommendations
	1A	1B	2A	3A	3B	3C	3D	4A	4B	4C	4D		
Ramp does not land in crosswalk													Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X											
Ramp does not exist and is needed													
Flare cross slope is greater than 10%			X	X			X				X		
Ramp running slope is greater than 8.33%	X	X	X			X	X	X		X		X	
Ramp cross slope is greater than 2%	X	X			X					X			Remove and replace ramp
Ramp width is less than 36"													
Obstruction present in ramp or landing area													
No textured surface at base of ramp	X	X	X	X	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons													
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X			X	X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"				X	X			X	X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X									Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X			X	X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X			X	X	X		X	X	X			Regrade roadway
Ponding occurs at base of ramp				X	X	X	X	X	X	X	X	X	
Ramp not needed due to intersection geometry													
Ramp Priority:	H	H	H	H	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4D



Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4C



Ramp 4A



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,247.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,608.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,144.11
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	Good	
Crosswalk cross slope is greater than 5%	-	N/A	-	-	
Crosswalk striping	No	N/A	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons					X				Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		-		H			M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.55	SY	\$ 10.00	\$ 255.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	25.55	SY	\$ 80.00	\$ 2,044.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,478.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,366.53
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,155.37
	Estimated Project Cost:	\$ 21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	No	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"					X				Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X				Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X		X				Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 16,755.80
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 2,676.09
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-) 20% \$ 3,568.11
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3C	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X	X		Install colored truncated domes
No color contrast at base of ramp						X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X	X			X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X	X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:			H		M	M	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A

Ramp 3C



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	12.22	SY	\$ 10.00	\$ 122.20
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	34.44	SY	\$ 80.00	\$ 2,755.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	13,816.70
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,221.41
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,961.89
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	Yes	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons			X	X					Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	43.35	SY	\$ 10.00	\$ 433.50
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	58.36	SY	\$ 80.00	\$ 4,668.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	50	SF	\$ 30.00	\$ 1,500.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	7	EA	\$ 500.00	\$ 3,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	35,713.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 5,694.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 7,592.23
	Estimated Project Cost:	\$	49,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Worn	Worn	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	2C	3A	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X		X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"			X	X		X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X		X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X	X	X		X		Regrade roadway
Ponding occurs at base of ramp			X	X	X	X	X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H	H	H	H	H		

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	92.21	SY	\$ 10.00	\$ 922.10
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	93.32	SY	\$ 80.00	\$ 7,465.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	33,772.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 5,240.53
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 6,987.37
	Estimated Project Cost:	\$	46,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 5%	-	-	-	N/A	
Crosswalk striping	Worn	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	2B	3A	2C	2D	
Ramp does not land in crosswalk							X	X	
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X		X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X		X		X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X	X	X	X	X	Install landing area
No pedestrian push buttons			X	X					
Pedestrian pushbutton diameter is not 2"	X								Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X			X	X	X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"		X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp	X	X	X	X					
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1C



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	8	EA	\$ 500.00	\$ 4,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 23,654.40
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 3,576.69
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 4,768.91
		Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	61.1	SY	\$ 10.00	\$ 611.00
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	502	LF	\$ 6.50	\$ 3,263.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 44,478.50 Engineering: (% +/-) 15% \$ 7,080.64 Contingency: (% +/-) 20% \$ 9,440.86 Estimated Project Cost: \$ 61,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	X	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X						
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

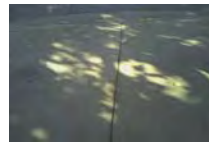
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.66	SY	\$ 10.00	\$ 366.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	388	LF	\$ 6.50	\$ 2,522.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 39,931.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,029.44
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,039.26
	Estimated Project Cost:	\$ 54,000.00

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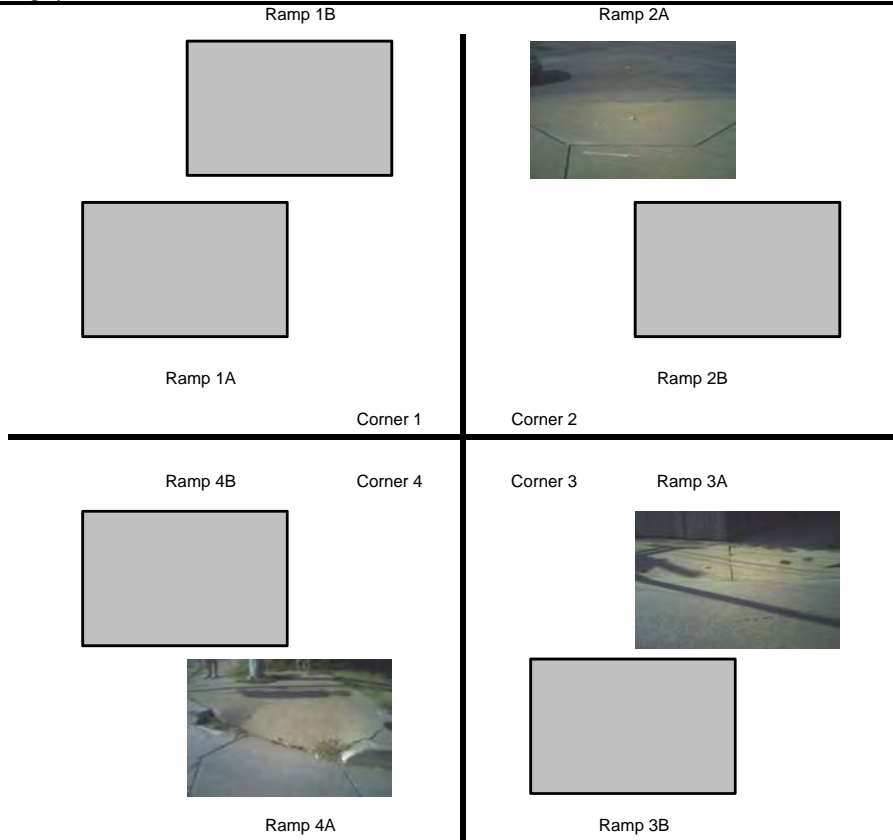
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk		X		X		X			
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area		X		X		X			
No textured surface at base of ramp		X		X		X			Install landing area
No color contrast at base of ramp		X		X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X		X		X			
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"		X		X		X			
Pedestrian pushbutton height is greater than 42"		X		X		X			Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge		X							Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist		X		X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:		H		H		H			



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	57.77	SY	\$ 10.00	\$ 577.70
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	344	LF	\$ 6.50	\$ 2,236.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	4	EA	\$ 350.00	\$ 1,400.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	28,518.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,492.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,989.60
	Estimated Project Cost: \$	39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X	X	X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X	X	X		
Ramp running slope is greater than 8.33%			X		X	X	X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Relocate pedestrian push button
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X	X		
No pedestrian push buttons									Remove existing push buttons and install pedestal pole
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X	X	X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X				
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X	X	X		
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	76.11	SY	\$ 10.00	\$ 761.10
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	76.11	SY	\$ 80.00	\$ 6,088.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	7	LS	\$ 1,000.00	\$ 7,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,241.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,182.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,576.34
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	Worn	Worn	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	1C	1D	2A	3A	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%				X	X		X		
Ramp running slope is greater than 8.33%		X		X	X		X		
Ramp cross slope is greater than 2%			X			X	X		
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Install landing area
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X		X	X		
No pedestrian push buttons									Remove existing push buttons and install pedestal pole
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Install clear floor space
Pedestrian head offset is greater than 10' from the nearest crosswalk edge				X					
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X		X	X		
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp	X	X	X	X	X	X	X		
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	M	H	L	H	M		

Ramp 1D



Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	1	EA	\$ 100.00	\$ 100.00
9	PEDESTRIAN PUSH BUTTON	1	EA	\$ 350.00	\$ 350.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,556.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,475.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,967.77
	Estimated Project Cost:	\$ 13,000.00

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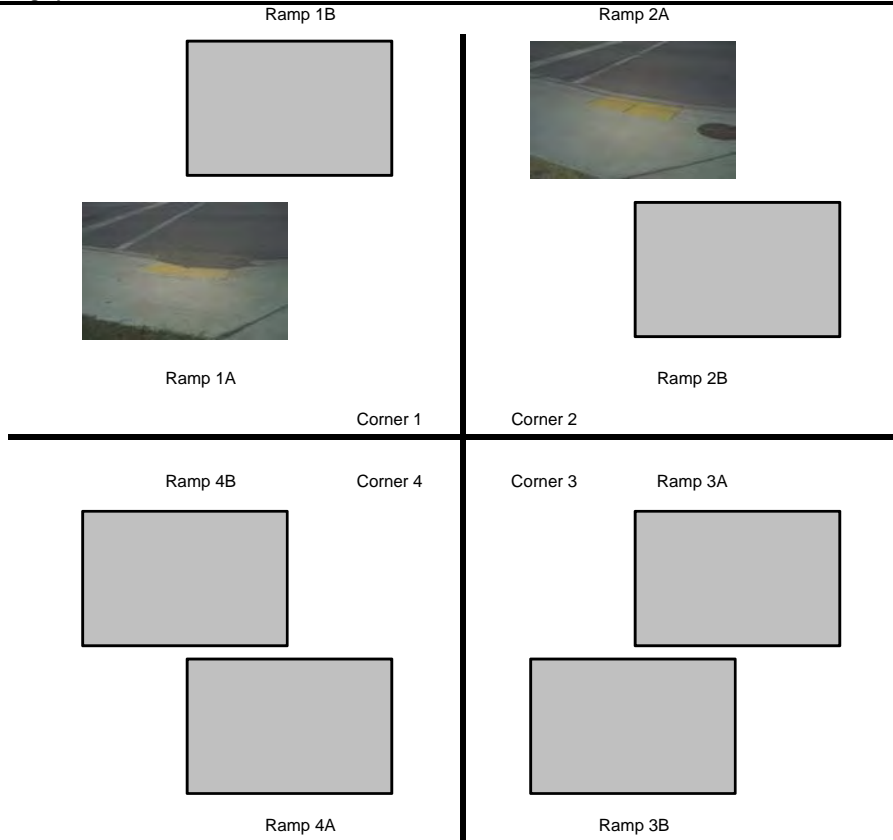
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X								Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H						



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	37.77	SY	\$ 10.00	\$ 377.70
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,909.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,467.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,623.31
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.66	SY	\$ 10.00	\$ 366.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	61.1	SY	\$ 80.00	\$ 4,888.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	448	LF	\$ 6.50	\$ 2,912.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	5	EA	\$ 100.00	\$ 500.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 48,326.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,574.36
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,099.14
	Estimated Project Cost:	\$ 66,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk	X						X	X	Remove and replace crosswalk pavement markings
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X	X	Install colored truncated domes
No color contrast at base of ramp	X						X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"			X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	12.22	SY	\$ 10.00	\$ 122.20
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	2	EA	\$ 500.00	\$ 1,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 43,779.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,951.47
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,268.63
	Estimated Project Cost:	\$ 60,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							X		
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%							X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	Install landing area
No pedestrian push buttons									Remove and replace pedestrian push button
Pedestrian pushbutton diameter is not 2"	X		X		X				
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install clear floor space
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									Ramp not needed due to intersection geometry
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	24.44	SY	\$ 10.00	\$ 244.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	24.44	SY	\$ 80.00	\$ 1,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,742.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,253.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,004.46
	Estimated Project Cost:	\$ 19,000.00

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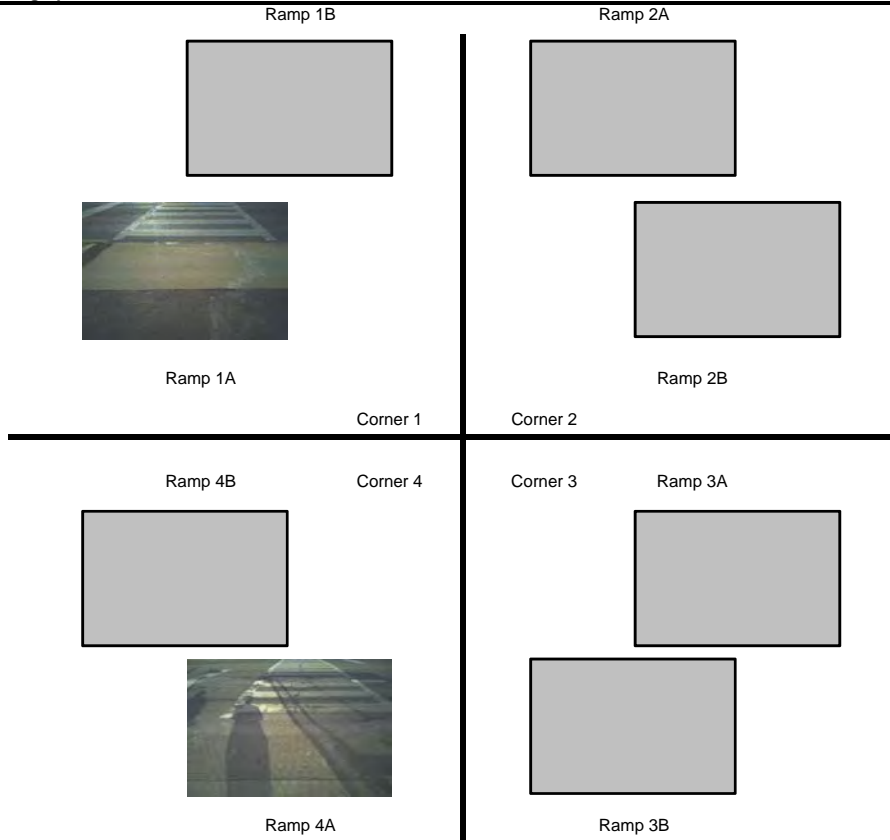
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X						X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		
No pedestrian push buttons									Install clear floor space
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X						X		
Ramp transition onto roadway is greater than 0.25"	X						X		
Ponding occurs at base of ramp	X						X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H						H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.55	SY	\$ 10.00	\$ 255.50
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	37.77	SY	\$ 80.00	\$ 3,021.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 25,605.70
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 4,026.13
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 5,368.17
		Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	No	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X				
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X		X				Install landing area
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Remove and replace pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"			X		X		X		Relocate pedestrian push button
Pedestrian pushbutton height is greater than 42"			X		X		X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	38.34	SY	\$ 10.00	\$ 383.40
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	39.45	SY	\$ 80.00	\$ 3,156.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	384	LF	\$ 6.50	\$ 2,496.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$ 22,942.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 3,453.43
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 4,604.57
	Estimated Project Cost: \$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X				X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H				H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	42.24	SY	\$ 10.00	\$ 422.40
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	42.24	SY	\$ 80.00	\$ 3,379.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,704.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,269.33
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,025.77
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X		X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	71.1	SY	\$ 10.00	\$ 711.00
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	71.1	SY	\$ 80.00	\$ 5,688.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	10	EA	\$ 1,500.00	\$ 15,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 47,862.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,344.51
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,792.69
	Estimated Project Cost:	\$ 65,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3C	3D	4A		
Ramp does not land in crosswalk									X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%						X				
Ramp running slope is greater than 8.33%	X	X			X	X	X	X		
Ramp cross slope is greater than 2%	X	X			X	X	X	X		Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp	X	X			X	X	X	X		Install colored truncated domes
No color contrast at base of ramp	X	X			X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X	X	X	X		Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"					X					Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X			X			X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"										
Ponding occurs at base of ramp										
Ramp not needed due to intersection geometry										
Ramp Priority:	M		H		H	H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

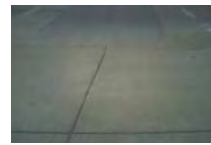
Corner 4



Corner 3

Ramp 3A

Ramp 3C



Ramp 4A



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	27,354.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,133.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,511.77
	Estimated Project Cost: \$	37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X				X		X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X				X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	67.77	SY	\$ 10.00	\$ 677.70
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	69.99	SY	\$ 80.00	\$ 5,599.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	4	EA	\$ 100.00	\$ 400.00
9	PEDESTRIAN PUSH BUTTON	5	EA	\$ 350.00	\$ 1,750.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	28,089.30
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-)	15% \$	4,247.44
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-)	20% \$	5,663.26
<input type="checkbox"/> Final Design	Estimated Project Cost: \$		38,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	Yes	Yes	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations	
	1A	2A	3A	4A	4B	4C	4D	4E		4F
Ramp does not land in crosswalk										
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%					X					
Ramp running slope is greater than 8.33%	X	X	X							
Ramp cross slope is greater than 2%					X	X		X		Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp	X	X	X	X	X	X		X		Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X					X		Install landing area
No pedestrian push buttons							X			
Pedestrian pushbutton diameter is not 2"	X	X	X							Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X							Install clear floor space
Ramp transition onto roadway is greater than 0.25"				X	X					Regrade roadway
Ponding occurs at base of ramp	X	X	X	X						
Ramp not needed due to intersection geometry							X	X		Remove ramp
Ramp Priority:	H	H	H	H	H	M	H	M	H	

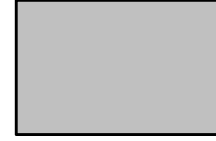
Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Ramp 4D



Corner 4
Ramp 4F



Corner 3

Ramp 3A



Ramp 4A



Ramp 4C



Ramp 4E



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	67.77	SY	\$ 10.00	\$ 677.70
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	69.99	SY	\$ 80.00	\$ 5,599.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 29,696.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,844.27
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,459.03
	Estimated Project Cost:	\$ 41,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	Yes	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	2C	3A	3B	4A	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X	X	X	X	X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X		X	X		
No textured surface at base of ramp			X	X		X	X		Install colored truncated domes
No color contrast at base of ramp			X	X		X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X		X	X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X		X	X		X	X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge				X					Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X					X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X	X	X	X	X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H	H	M	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B



Ramp 2C

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	2	EA	\$ 100.00	\$ 200.00
9	PEDESTRIAN PUSH BUTTON	2	EA	\$ 350.00	\$ 700.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 42,383.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,692.91
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,923.89
	Estimated Project Cost:	\$ 58,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"							X		Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	99.44	SY	\$ 10.00	\$ 994.40
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	99.44	SY	\$ 80.00	\$ 7,955.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 38,772.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,097.41
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,129.89
	Estimated Project Cost:	\$ 53,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	2A	3A	3B	3C	4A	4C	4D	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%		X	X				X	X	
Ramp cross slope is greater than 2%	X		X		X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X		X		X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge				X	X	X	X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X	X	X		X	Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	M	M	H	M	M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Ramp 4D



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 4C



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	122.77	SY	\$ 10.00	\$ 1,227.70
2	REMOVING CONC (WHEELCHAIR RAMP)	90.99	SY	\$ 30.00	\$ 2,729.70
3	CONCRETE SIDEWALK (SD-1) (4")	122.77	SY	\$ 80.00	\$ 9,821.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	9	EA	\$ 1,500.00	\$ 13,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	5	EA	\$ 500.00	\$ 2,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	10	LS	\$ 1,000.00	\$ 10,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 40,715.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,122.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,162.86
	Estimated Project Cost:	\$ 55,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	No	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	1C	2A	2B	2C	2D	3A		4A
Ramp does not land in crosswalk										
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X	X	X					X	X	
Ramp running slope is greater than 8.33%	X		X			X	X			
Ramp cross slope is greater than 2%			X	X				X	X	Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp										
No color contrast at base of ramp										
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X		X	X	X		X	X	Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"	X			X	X					Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X		X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25'										
Ponding occurs at base of ramp	X	X	X	X	X	X	X	X	X	Regrade roadway
Ramp not needed due to intersection geometry										
Ramp Priority:	H	H	H	H	M	M	H	H	M	H

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 2E



Ramp 1A



Ramp 1C



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	91.12	SY	\$ 10.00	\$ 911.20
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	91.12	SY	\$ 80.00	\$ 7,289.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	14	EA	\$ 500.00	\$ 7,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,717.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,978.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,304.40
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X	X							
Ramp cross slope is greater than 2%		X			X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X		X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X		X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X		X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	H	M	H		H	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.66	SY	\$ 10.00	\$ 366.60
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	36.66	SY	\$ 80.00	\$ 2,932.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	576	LF	\$ 2.00	\$ 1,152.00
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	3	EA	\$ 100.00	\$ 300.00
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	1	EA	\$ 1,500.00	\$ 1,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,955.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,019.16
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,025.54
	Estimated Project Cost:	\$ 26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	N/A	
Crosswalk cross slope is greater than 5%	-	-	N/A	N/A	
Crosswalk striping	Yes	Yes	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X				
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X						Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				Remove and replace pedestrian push button
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				
No pedestrian push buttons									Remove existing push buttons and install pedestal pole
Pedestrian pushbutton diameter is not 2"	X		X						
Pedestrian pushbutton height is greater than 42"									Install clear floor space
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X				Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	40.56	SY	\$ 10.00	\$ 405.60
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	40.56	SY	\$ 80.00	\$ 3,244.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 20,857.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,489.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,653.14
	Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X	X	X	X	X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X	X	X	X	X	X	X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M	M	M	M	M	M	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23.33	SY	\$ 10.00	\$ 233.30
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	2	EA	\$ 1,500.00	\$ 3,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 47,094.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,245.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,660.40
	Estimated Project Cost:	\$ 64,000.00

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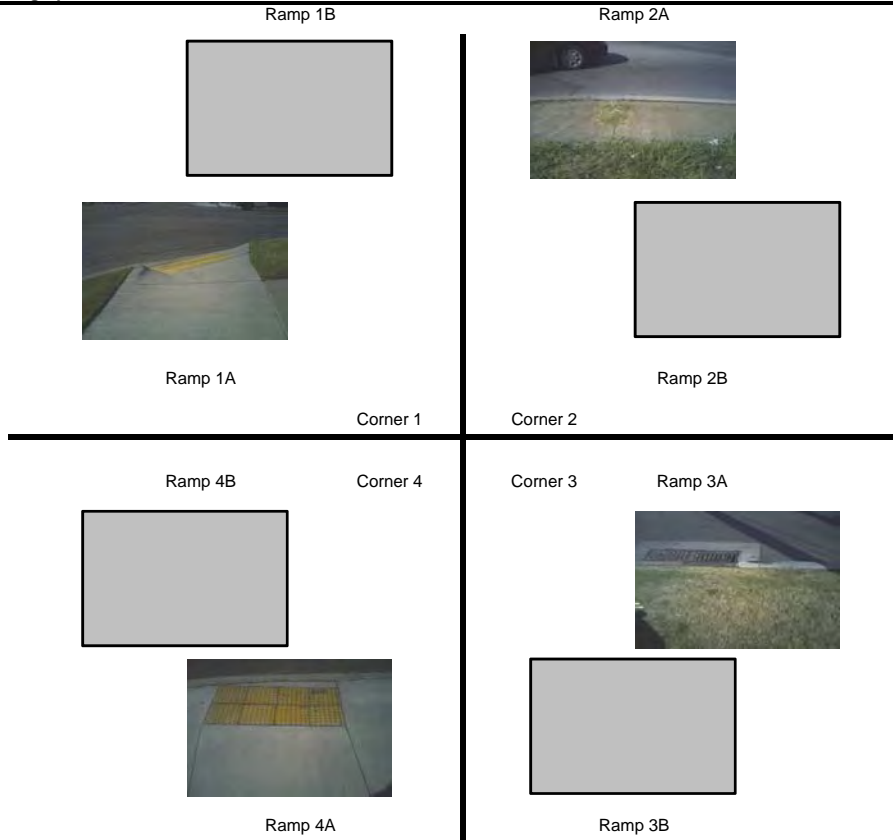
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"	X		X	X		X			Remove and replace pedestrian push button
Pedestrian pushbutton height is greater than 42"	X								Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X						X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X	X		X			Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	77.77	SY	\$ 10.00	\$ 777.70
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	77.77	SY	\$ 80.00	\$ 6,221.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	432	LF	\$ 2.00	\$ 864.00
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	6	EA	\$ 1,500.00	\$ 9,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	35,394.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	5,402.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	7,203.20
	Estimated Project Cost:	\$	48,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1C	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X	X		X	X	X	X	
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%	X	X	X			X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X				X	X	Install landing area
No pedestrian push buttons	X		X		X	X	X	X	
Pedestrian pushbutton diameter is not 2"									Install pedestrian push buttons
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H		L	L	M	M	

Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 29,756.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,818.51
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,424.69
	Estimated Project Cost:	\$ 41,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X		X				X		
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Install pedestrian push buttons
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		
No pedestrian push buttons	X		X		X		X		
Pedestrian pushbutton diameter is not 2"									Ramp Priority:
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									L
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									M
Ramp transition onto roadway is greater than 0.25"									M
Ponding occurs at base of ramp									H
Ramp not needed due to intersection geometry									
Ramp Priority:	L		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1.11	SY	\$ 10.00	\$ 11.10
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	1.11	SY	\$ 80.00	\$ 88.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	1	EA	\$ 500.00	\$ 500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	899.90
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 471.47
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 628.63
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	2,000.00

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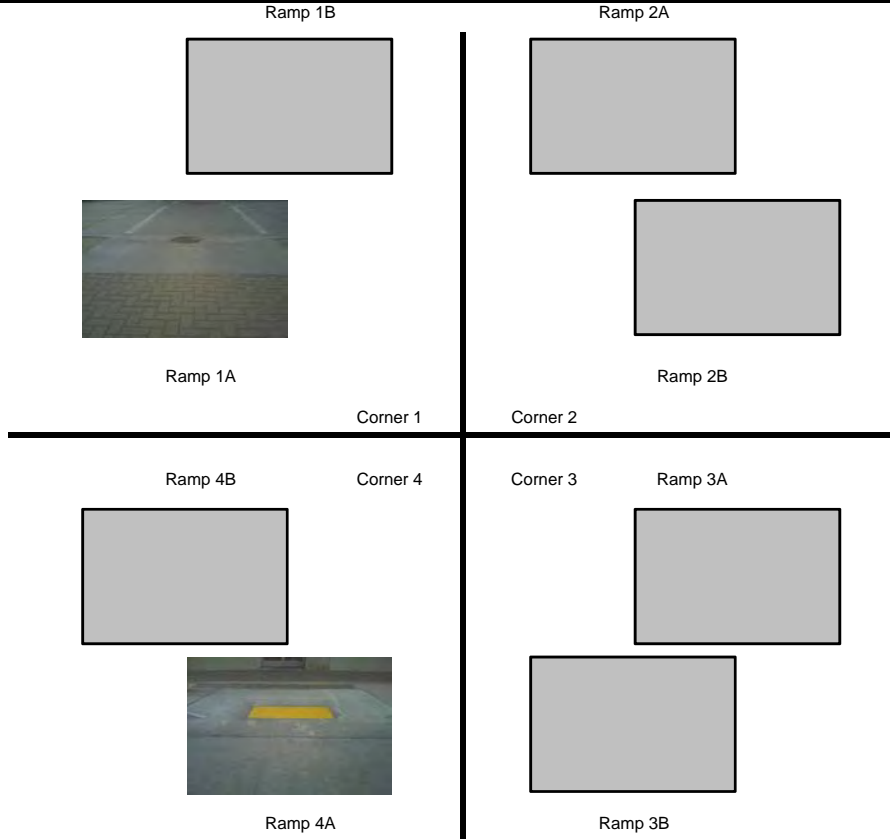
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 5%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"							X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M							M	

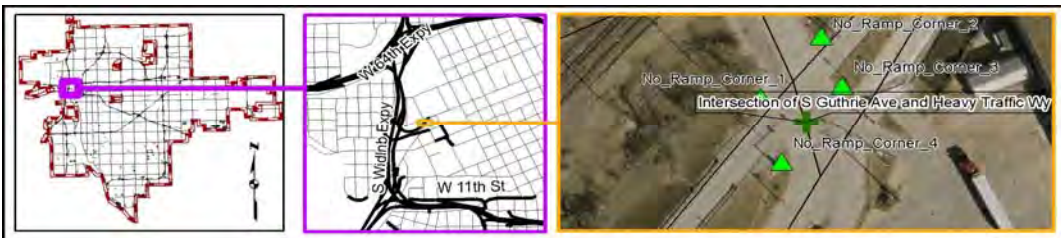


Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	33,363.20
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 5,415.77
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 7,221.03
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	46,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	62.24	SY	\$ 10.00	\$ 622.40
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	63.35	SY	\$ 80.00	\$ 5,068.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,344.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,281.01
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,374.69
	Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X					X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X			X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X						Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X	X		Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		L	H	M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48.88	SY	\$ 10.00	\$ 488.80
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	48.88	SY	\$ 80.00	\$ 3,910.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	8	EA	\$ 100.00	\$ 800.00
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 31,956.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,161.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,882.06
	Estimated Project Cost:	\$ 44,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"	X		X		X		X		Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge	X		X		X		X		Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		Install clear floor space
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	288	LF	\$ 6.50	\$ 1,872.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 7,478.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 1,509.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 2,012.34
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 5%	N/A	-	-	-	
Crosswalk striping	N/A	Worn	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%					X	X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	-		H		L	M	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 29,953.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,734.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,312.23
	Estimated Project Cost:	\$ 41,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Yes	Yes	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X		X		
Ponding occurs at base of ramp							X		
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 46,148.80
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 7,221.94
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 9,629.26
		Estimated Project Cost:	\$ 63,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X	X				
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X			X	X				
Ramp cross slope is greater than 2%			X	X	X				Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								Install landing area
No textured surface at base of ramp	X	X	X	X	X				
No color contrast at base of ramp	X	X	X	X	X				Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X							
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X						
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	M	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	20,956.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 3,447.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 4,596.11
	Estimated Project Cost:	\$	29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	69.99	SY	\$ 10.00	\$ 699.90
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	73.32	SY	\$ 80.00	\$ 5,865.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	6	EA	\$ 100.00	\$ 600.00
9	PEDESTRIAN PUSH BUTTON	6	EA	\$ 350.00	\$ 2,100.00
10	RELOCATE PED PUSH BTN	4	EA	\$ 500.00	\$ 2,000.00
11	PEDESTAL POLE	3	EA	\$ 1,500.00	\$ 4,500.00
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 34,329.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,430.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,240.40
	Estimated Project Cost:	\$ 47,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X	X	X	X	
Ramp cross slope is greater than 2%	X		X				X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"					X	X	X	X	Relocate pedestrian push button
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X				X	X	Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X	X	X	X	Install clear floor space
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H	H	M	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost	Subtotal: \$ 49,756.80
<input checked="" type="checkbox"/> No Design	Engineering: (% +/-) 15% \$ 7,818.51
<input type="checkbox"/> Preliminary Design	Contingency: (% +/-) 20% \$ 10,424.69
<input type="checkbox"/> Final Design	Estimated Project Cost: \$ 68,000.00

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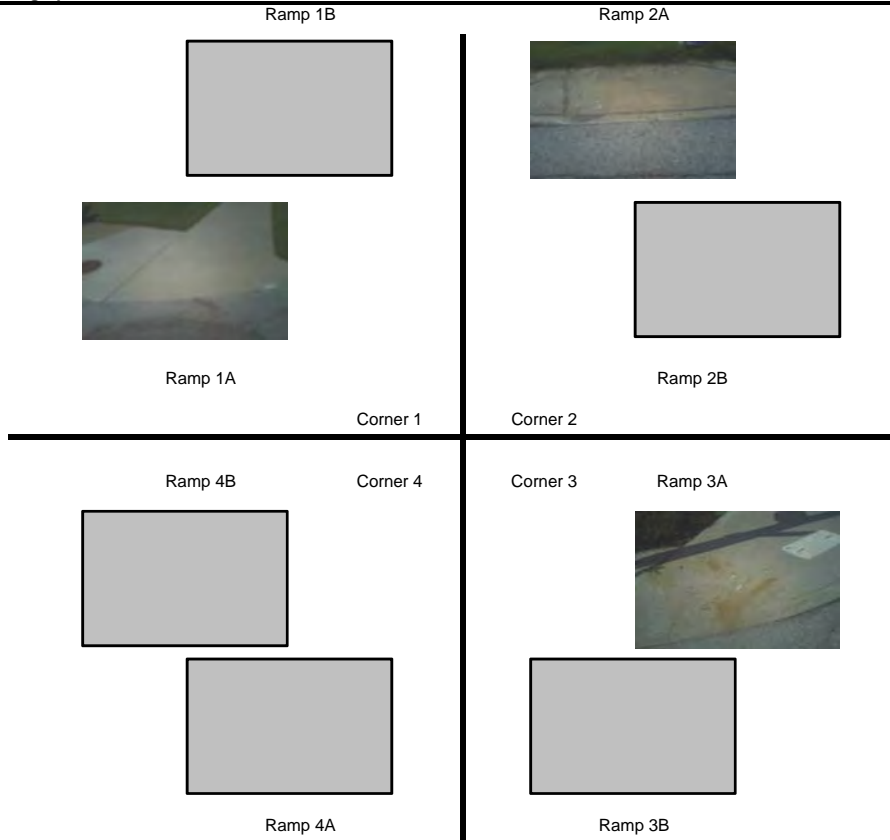
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Danger	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons	X		X		X				Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						Remove existing push buttons and install pedestal pole
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	432	LF	\$ 6.50	\$ 2,808.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$ 39,820.80
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15% \$ 6,076.80
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20% \$ 8,102.40
<input type="checkbox"/> Final Design		Estimated Project Cost: \$ 54,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Good	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	No	No	Yes	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons	X	X	X	X	X	X	X	X	Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to intersection geometry									
Ramp Priority:	H	M	H	M					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 51,756.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,818.51
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,424.69
	Estimated Project Cost:	\$ 70,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X	X	X	X	X	X	X	X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X	X	X	X	X	X	X	X	
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X					X		Remove and replace ramp
Ramp cross slope is greater than 2%	X	X			X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons	X	X	X	X	X	X	X	X	Install pedestrian push buttons
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to intersection geometry									
Ramp Priority:	M	H	H	H	M	M	M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Boulder Ave W and W 15th St

GPS ID: 0615

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	5	EA	\$ 1,500.00	\$ 7,500.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

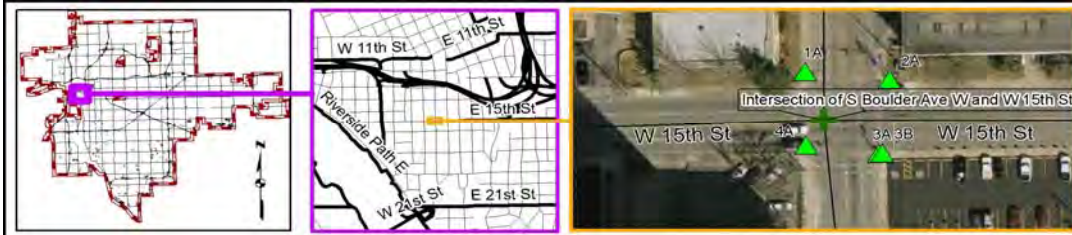
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	55,560.00
Engineering: (% +/-)	15%	\$ 8,760.00
Contingency: (% +/-)	20%	\$ 11,680.00
Estimated Project Cost:	\$	76,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Danger	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X				X	X	X		
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"	X	X	X	X	X	X	X	X	
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X	X	X	X	X	X	X	X	
No color contrast at base of ramp	X	X	X	X	X	X	X	X	Install pedestrian push buttons
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	
No pedestrian push buttons	X	X	X	X	X	X	X	X	Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X	X	X		
Ponding occurs at base of ramp									Ramp Priority:
Ramp not needed due to intersection geometry									
Ramp Priority:	H		M		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Denver Ave W and W 15th St

GPS ID: 0616

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46.66	SY	\$ 10.00	\$ 466.60
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	46.66	SY	\$ 80.00	\$ 3,732.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	3	EA	\$ 350.00	\$ 1,050.00
10	RELOCATE PED PUSH BTN	3	EA	\$ 500.00	\$ 1,500.00
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	46,706.60
Engineering: (% +/-)	15%	\$ 7,411.46
Contingency: (% +/-)	20%	\$ 9,881.94
Estimated Project Cost:	\$	64,000.00

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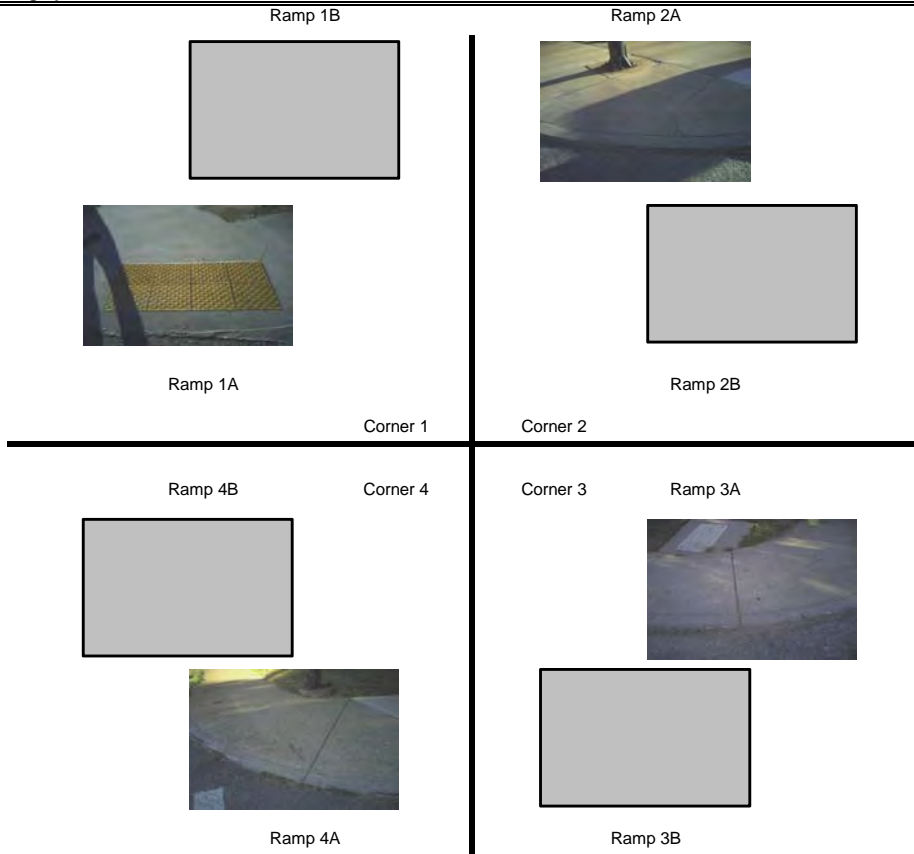
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Poor	Danger	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X		X		X		Install landing area
No color contrast at base of ramp			X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Relocate pedestrian push button
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install clear floor space
Pedestrian pushbutton height is greater than 42"	X		X				X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X						
Ramp transition onto roadway is greater than 0.25"			X		X		X		Ramp Priority:
Ponding occurs at base of ramp			X		X		X		
Ramp not needed due to intersection geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Main St and W 15th St

GPS ID: 0618

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	576	LF	\$ 6.50	\$ 3,744.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	8	EA	\$ 350.00	\$ 2,800.00
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	4	EA	\$ 1,500.00	\$ 6,000.00
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	53,756.80
Engineering: (% +/-)	15%	\$ 8,247.09
Contingency: (% +/-)	20%	\$ 10,996.11
Estimated Project Cost:	\$	73,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

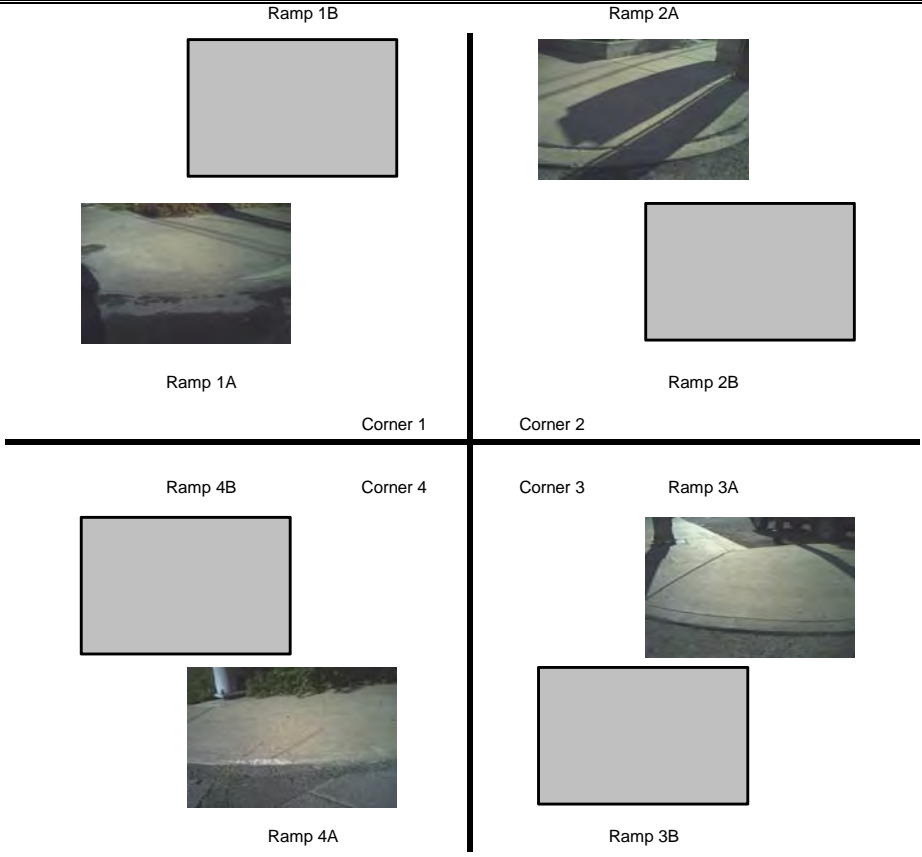
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 5%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace crosswalk pavement markings
No 48" extension into crosswalk	X		X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X		X		X		X		
No textured surface at base of ramp	X		X		X		X		Install landing area
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install pedestrian push buttons
No pedestrian push buttons	X		X		X		X		
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X		X		X		X		
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to intersection geometry									Ramp Priority:
Ramp Priority:	H		H		H		H		



Tulsa ADA Self-evaluation and Transition Plan Update
Sidewalk Cost Projection Summary
2/12/2013

ADA Complaint Project Name	Cost Projection
11th Street South (D) (Yale to Sheridan) - north	\$ 240,000.00
11th Street South (D) (Yale to Sheridan) - south	\$ 292,000.00
31st Street South (A) (Peoria to Harvard) - north	\$ 670,000.00
31st Street South (A) (Peoria to Harvard) - south	\$ 683,000.00
36th Street North (B) (Cincinnati to Peoria) - north	\$ 47,000.00
36th Street North (B) (Cincinnati to Peoria) - south	\$ 310,000.00
36th Street North (C) (Peoria to Lewis) - north	\$ -
36th Street North (C) (Peoria to Lewis) - south	\$ -
Admiral Place (D) (Yale to Sheridan) - north	\$ 318,000.00
Admiral Place (D) (Yale to Sheridan) - south	\$ 326,000.00
Cincinnati Avenue (E) (36th to 46th) - east	\$ -
Cincinnati Avenue (E) (36th to 46th) - west	\$ -
Lewis Avenue (F) (21st to 41st) - east	\$ 677,000.00
Lewis Avenue (F) (21st to 41st) - west	\$ 677,000.00
Peoria Avenue (K) (36th to 46th) - east	\$ 310,000.00
Peoria Avenue (K) (36th to 46th) - west	\$ 310,000.00
Peoria Avenue (L) (46th to 56th) - east	\$ 309,000.00
Peoria Avenue (L) (46th to 56th) - west	\$ 309,000.00
Yale Avenue (G) (41st to 31st) - east	\$ 287,000.00
Yale Avenue (G) (41st to 31st) - west	\$ 670,000.00
SUBTOTAL	\$ 6,435,000.00

Project Name	Cost Projection
10th Street (Elgin to Boulder) - north	\$ 120,000.00
10th Street (Elgin to Boulder) - south	\$ 134,000.00
11th Street South (A) (Peoria to Lewis) - north	\$ 377,000.00
11th Street South (A) (Peoria to Lewis) - south	\$ 276,000.00
11th Street South (B) (Lewis to Harvard) - north	\$ 337,000.00
11th Street South (B) (Lewis to Harvard) - south	\$ 284,000.00
11th Street South (C) (Harvard to Yale) - north	\$ 352,000.00
11th Street South (C) (Harvard to Yale) - south	\$ 412,000.00
11th Street South (E) (Sheridan to Memorial) - north	\$ 318,000.00
11th Street South (E) (Sheridan to Memorial) - south	\$ 314,000.00
11th Street South (F) (Memorial to Mingo) - north	\$ 213,000.00
11th Street South (F) (Memorial to Mingo) - south	\$ 261,000.00
11th Street South (G) (Mingo to Garnett) - north	\$ 334,000.00
11th Street South (G) (Mingo to Garnett) - south	\$ 308,000.00
11th Street South (H) (Garnett to 129th) - north	\$ 371,000.00
11th Street South (H) (Garnett to 129th) - south	\$ 341,000.00
11th Street (J) (Peoria to Elgin) - north	\$ 94,000.00
11th Street (J) (Peoria to Elgin) - south	\$ 93,000.00
11th Street (K) (Main to Elgin) - north	\$ 181,000.00
11th Street (K) (Main to Elgin) - south	\$ 70,000.00
11th Street (L) (Boulder to Elgin) - north	\$ 160,000.00
11th Street (L) (Boulder to Elgin) - south	\$ 111,000.00
129th East Avenue (A) (51st to 41st) - east	\$ 266,000.00
129th East Avenue (A) (51st to 41st) - west	\$ 269,000.00
129th East Avenue (B) (41st to 31st) - east	\$ 324,000.00
129th East Avenue (B) (41st to 31st) - west	\$ 209,000.00
129th East Avenue (C) (31st to 21st) - east	\$ 293,000.00
129th East Avenue (C) (31st to 21st) - west	\$ 307,000.00
129th East Avenue (D) (21st to 11th) - east	\$ 171,000.00
129th East Avenue (D) (21st to 11th) - west	\$ 156,000.00
129th East Avenue (E) (11th to Admiral) - east	\$ 172,000.00
129th East Avenue (E) (11th to Admiral) - west	\$ 144,000.00
129th East Avenue (F) (Admiral to Brady) - east	\$ 24,000.00
129th East Avenue (F) (Admiral to Brady) - west	\$ 28,000.00
13th Street (Boston to Peoria) - north	\$ 174,000.00
13th Street (Boston to Peoria) - south	\$ 152,000.00
15th Street South (A) (Peoria to Lewis) - north	\$ 317,000.00
15th Street South (A) (Peoria to Lewis) - south	\$ 367,000.00
15th Street South (B) (Lewis to Harvard) - north	\$ 342,000.00
15th Street South (B) (Lewis to Harvard) - south	\$ 382,000.00
15th Street South (C) (Harvard to Yale) - north	\$ 297,000.00
15th Street South (C) (Harvard to Yale) - south	\$ 355,000.00
15th Street South (D) (Yale to Sheridan) - north	\$ 343,000.00
15th Street South (D) (Yale to Sheridan) - south	\$ 300,000.00

Project Name	Cost Projection
15th Street South (E) (Sheridan to Memorial) - north	\$ 287,000.00
15th Street South (E) (Sheridan to Memorial) - south	\$ 307,000.00
15th Street (F) (Peoria to Denver) - north	\$ 325,000.00
15th Street (F) (Peoria to Denver) - south	\$ 237,000.00
1st Street (Guthrie to Frisco) - north	\$ 391,000.00
1st Street (Guthrie to Frisco) - south	\$ 330,000.00
21st Street South (A) (Union to Southwest) - north	\$ 26,000.00
21st Street South (A) (Union to Southwest) - south	\$ 15,000.00
21st Street South (B) (Southwest to Main) - north	\$ 175,000.00
21st Street South (B) (Southwest to Main) - south	\$ 348,000.00
21st Street South (C) (Main to Peoria) - north	\$ 210,000.00
21st Street South (C) (Main to Peoria) - south	\$ 228,000.00
21st Street South (D) (Peoria to Utica) - north	\$ 139,000.00
21st Street South (D) (Peoria to Utica) - south	\$ 159,000.00
21st Street South (E) (Utica to Lewis) - north	\$ 61,000.00
21st Street South (E) (Utica to Lewis) - south	\$ 129,000.00
21st Street South (F) (Lewis to Harvard) - north	\$ 308,000.00
21st Street South (F) (Lewis to Harvard) - south	\$ 236,000.00
21st Street South (G) (Harvard to Yale) - north	\$ 293,000.00
21st Street South (G) (Harvard to Yale) - south	\$ 274,000.00
21st Street South (H) (Yale to Sheridan) - north	\$ 283,000.00
21st Street South (H) (Yale to Sheridan) - south	\$ 305,000.00
21st Street South (I) (Sheridan to Memorial) - north	\$ 189,000.00
21st Street South (I) (Sheridan to Memorial) - south	\$ 254,000.00
21st Street South (J) (Memorial to Skelly) - north	\$ 244,000.00
21st Street South (J) (Memorial to Skelly) - south	\$ 139,000.00
21st Street South (K) (Skelly to Garnett) - north	\$ 259,000.00
21st Street South (K) (Skelly to Garnett) - south	\$ 263,000.00
21st Street South (L) (Garnett to 129th) - north	\$ 212,000.00
21st Street South (L) (Garnett to 129th) - south	\$ 238,000.00
21st Street South (M) (129th to 145th) - north	\$ 269,000.00
21st Street South (M) (129th to 145th) - south	\$ 228,000.00
25th West Avenue (A) (Charge Page to Newblock Park Trail) - east	\$ 48,000.00
25th West Avenue (A) (Charge Page to Newblock Park Trail) - west	\$ 48,000.00
25th West Avenue (Newblock Park Trail to Independence) - east	\$ 240,000.00
25th West Avenue (Newblock Park Trail to Independence) - west	\$ 223,000.00
2nd Street (A) (Frisco to Heavy Traffic) - north	\$ 5,000.00
2nd Street (A) (Frisco to Heavy Traffic) - south	\$ 29,000.00
2nd Street (B) (Lansing to Denver) - north	\$ 301,000.00
2nd Street (B) (Lansing to Denver) - south	\$ 271,000.00
31st Street South (B) (Harvard to Yale) - north	\$ 312,000.00
31st Street South (B) (Harvard to Yale) - south	\$ 310,000.00
31st Street South (C) (Yale to Sheridan) - north	\$ 279,000.00
31st Street South (C) (Yale to Sheridan) - south	\$ 309,000.00

Project Name	Cost Projection
31st Street South (D) (Sheridan to Memorial) - north	\$ 231,000.00
31st Street South (D) (Sheridan to Memorial) - south	\$ 305,000.00
31st Street South (E) (Memorial to Mingo) - north	\$ 295,000.00
31st Street South (E) (Memorial to Mingo) - south	\$ 330,000.00
31st Street South (F) (Mingo to Garnett) - north	\$ 332,000.00
31st Street South (F) (Mingo to Garnett) - south	\$ 330,000.00
31st Street South (G) (Garnett to 129th) - north	\$ 279,000.00
31st Street South (G) (Garnett to 129th) - south	\$ 290,000.00
31st Street South (H) (129th to 140th) - north	\$ 217,000.00
31st Street South (H) (129th to 140th) - south	\$ 219,000.00
31st Street South (Riverside to Peoria) - north	\$ 161,000.00
31st Street South (Riverside to Peoria) - south	\$ 161,000.00
33rd West Avenue (A) (61st to 51st) - east	\$ 254,000.00
33rd West Avenue (A) (61st to 51st) - west	\$ 101,000.00
33rd West Avenue (B) (51st to 41st) - east	\$ 338,000.00
33rd West Avenue (B) (51st to 41st) - west	\$ 321,000.00
36th Street North (A) (City Boundary to Cincinnati) - north	\$ 46,000.00
36th Street North (A) (City Boundary to Cincinnati) - south	\$ 33,000.00
36th Street North (D) (Lewis to Delaware) - north	\$ 152,000.00
36th Street North (D) (Lewis to Delaware) - south	\$ 151,000.00
3rd Street (Lansing to Heavy Traffic) - north	\$ 525,000.00
3rd Street (Lansing to Heavy Traffic) - south	\$ 392,000.00
41st Street South (B) (Southwest to Hwy 75) - north	\$ 164,000.00
41st Street South (B) (Southwest to Hwy 75) - south	\$ 120,000.00
41st Street South (C) (Riverside to Peoria) - north	\$ 66,000.00
41st Street South (C) (Riverside to Peoria) - south	\$ 136,000.00
41st Street South (D) (Peoria to Lewis) - north	\$ 166,000.00
41st Street South (D) (Peoria to Lewis) - south	\$ 316,000.00
41st Street South (E) (Lewis to Harvard) - north	\$ 176,000.00
41st Street South (E) (Lewis to Harvard) - south	\$ 174,000.00
41st Street South (F) (Harvard to Yale) - north	\$ 220,000.00
41st Street South (F) (Harvard to Yale) - south	\$ 173,000.00
41st Street South (G) (Yale to Sheridan) - north	\$ 65,000.00
41st Street South (G) (Yale to Sheridan) - south	\$ 180,000.00
41st Street South (H) (Sheridan to Memorial) - north	\$ 279,000.00
41st Street South (H) (Sheridan to Memorial) - south	\$ 307,000.00
41st Street South (I) (Memorial to Mingo) - north	\$ 105,000.00
41st Street South (I) (Memorial to Mingo) - south	\$ 114,000.00
41st Street South (J) (Mingo to Garnett) - north	\$ 237,000.00
41st Street South (J) (Mingo to Garnett) - south	\$ 240,000.00
41st Street South (K) (Garnett to 129th) - north	\$ 308,000.00
41st Street South (K) (Garnett to 129th) - south	\$ 289,000.00
41st Street South (L) (129th to 135th) - north	\$ 114,000.00
41st Street South (L) (129th to 135th) - south	\$ 103,000.00

Project Name	Cost Projection
46th Street North (A) (Elwood to Cincinnati) - north	\$ 124,000.00
46th Street North (A) (Elwood to Cincinnati) - south	\$ 89,000.00
46th Street North (B) (Cincinnati to Peoria) - north	\$ 224,000.00
46th Street North (B) (Cincinnati to Peoria) - south	\$ 203,000.00
49th West Avenue (Easton to Charles Page) - east	\$ 261,000.00
49th West Avenue (Easton to Charles Page) - west	\$ 240,000.00
4th Street (3rd to Lansing) - north	\$ 415,000.00
4th Street (3rd to Lansing) - south	\$ 395,000.00
51st Street South (B) (Lewis to Harvard) - north	\$ 306,000.00
51st Street South (B) (Lewis to Harvard) - south	\$ 315,000.00
51st Street South (C) (Harvard to Yale) - north	\$ 304,000.00
51st Street South (C) (Harvard to Yale) - south	\$ 297,000.00
51st Street South (D) (Yale to Sheridan) - north	\$ 286,000.00
51st Street South (D) (Yale to Sheridan) - south	\$ 253,000.00
51st Street South (E) (Sheridan to Memorial) - north	\$ 239,000.00
51st Street South (E) (Sheridan to Memorial) - south	\$ 236,000.00
51st Street South (F) (Memorial to Mingo) - north	\$ 200,000.00
51st Street South (F) (Memorial to Mingo) - south	\$ 237,000.00
51st Street South (G) (Mingo to Garnett) - north	\$ 230,000.00
51st Street South (G) (Mingo to Garnett) - south	\$ 243,000.00
51st Street South (H) (Garnett to 129th) - north	\$ 264,000.00
51st Street South (H) (Garnett to 129th) - south	\$ 319,000.00
51st Street South (I) (129th to 1200' east of 129th) - north	\$ 84,000.00
51st Street South (I) (129th to 1200' east of 129th) - south	\$ 94,000.00
5th Street (Frankfort to Denver) - north	\$ 326,000.00
5th Street (Frankfort to Denver) - south	\$ 367,000.00
61st Street South (A) (33rd to Santa Fe) - north	\$ 353,000.00
61st Street South (A) (33rd to Santa Fe) - south	\$ 166,000.00
61st Street South (B) (Riverside to Lewis) - north	\$ 437,000.00
61st Street South (B) (Riverside to Lewis) - south	\$ 436,000.00
61st Street South (C) (Lewis to Harvard) - north	\$ 341,000.00
61st Street South (C) (Lewis to Harvard) - south	\$ 329,000.00
61st Street South (D) (Harvard to Yale) - north	\$ 83,000.00
61st Street South (D) (Harvard to Yale) - south	\$ 88,000.00
61st Street South (E) (Yale to Sheridan) - north	\$ 161,000.00
61st Street South (E) (Yale to Sheridan) - south	\$ 215,000.00
61st Street South (F) (Sheridan to Memorial) - north	\$ 213,000.00
61st Street South (F) (Sheridan to Memorial) - south	\$ 124,000.00
61st Street South (G) (Memorial to Mingo) - north	\$ 364,000.00
61st Street South (G) (Memorial to Mingo) - south	\$ 307,000.00
61st Street South (H) (Mingo to Garnett) - north	\$ 234,000.00
61st Street South (H) (Mingo to Garnett) - south	\$ 217,000.00
6th Street (7th to Kenosha) - north	\$ 362,000.00
6th Street (7th to Kenosha) - south	\$ 402,000.00

Project Name	Cost Projection
71st Street South (A) (Union to Jackson) - north	\$ 211,000.00
71st Street South (A) (Union to Jackson) - south	\$ 220,000.00
71st Street South (B) (Riverside to Lewis) - north	\$ 224,000.00
71st Street South (B) (Riverside to Lewis) - south	\$ 212,000.00
71st Street South (C) (Lewis to Harvard) - north	\$ 148,000.00
71st Street South (C) (Lewis to Harvard) - south	\$ 165,000.00
71st Street South (D) (Harvard to Yale) - north	\$ 203,000.00
71st Street South (D) (Harvard to Yale) - south	\$ 196,000.00
71st Street South (E) (Yale to Sheridan) - north	\$ 218,000.00
71st Street South (E) (Yale to Sheridan) - south	\$ 125,000.00
71st Street South (F) (Sheridan to Memorial) - north	\$ 155,000.00
71st Street South (F) (Sheridan to Memorial) - south	\$ 133,000.00
71st Street South (G) (Memorial to Mingo) - north	\$ 187,000.00
71st Street South (G) (Memorial to Mingo) - south	\$ 301,000.00
71st Street South (H) (Mingo to Garnett) - north	\$ 312,000.00
71st Street South (H) (Mingo to Garnett) - south	\$ 270,000.00
7th Street (Kenosha to Lawton) - north	\$ 463,000.00
7th Street (Kenosha to Lawton) - south	\$ 433,000.00
81st Street South (A) (Riverside to Lewis) - north	\$ 93,000.00
81st Street South (A) (Riverside to Lewis) - south	\$ 66,000.00
81st Street South (B) (Lewis to Harvard) - north	\$ 212,000.00
81st Street South (B) (Lewis to Harvard) - south	\$ 220,000.00
81st Street South (C) (Harvard to Yale) - north	\$ 277,000.00
81st Street South (C) (Harvard to Yale) - south	\$ 289,000.00
81st Street South (D) (Yale to Sheridan) - north	\$ 298,000.00
81st Street South (D) (Yale to Sheridan) - south	\$ 281,000.00
81st Street South (E) (Memorial to Mingo) - north	\$ 213,000.00
81st Street South (E) (Memorial to Mingo) - south	\$ 195,000.00
81st Street South (F) (Mingo to Garnett) - north	\$ 196,000.00
81st Street South (F) (Mingo to Garnett) - south	\$ 298,000.00
81st Street South (G) (Sheridan to Memorial) - north	\$ 311,000.00
81st Street South (G) (Sheridan to Memorial) - south	\$ 293,000.00
8th Street (7th to Kenosha) - north	\$ 193,000.00
8th Street (7th to Kenosha) - south	\$ 205,000.00
91st Street South (A) (Riverside to Delaware) - north	\$ 61,000.00
91st Street South (A) (Riverside to Delaware) - south	\$ 50,000.00
91st Street South (B) (Delaware to Harvard) - north	\$ 142,000.00
91st Street South (B) (Delaware to Harvard) - south	\$ 149,000.00
91st Street South (C) (Harvard to Yale) - north	\$ 268,000.00
91st Street South (C) (Harvard to Yale) - south	\$ 300,000.00
91st Street South (D) (Yale to Sheridan) - north	\$ 313,000.00
91st Street South (D) (Yale to Sheridan) - south	\$ 277,000.00
91st Street South (E) (Sheridan to Memorial) - north	\$ 310,000.00
91st Street South (E) (Sheridan to Memorial) - south	\$ 289,000.00

Project Name	Cost Projection
91st Street South (F) (Memorial to Mingo) - north	\$ 308,000.00
91st Street South (F) (Memorial to Mingo) - south	\$ 308,000.00
91st Street South (G) (Mingo to Garnett) - north	\$ 277,000.00
91st Street South (G) (Mingo to Garnett) - south	\$ 246,000.00
9th Street (Denver to Elgin) - north	\$ 217,000.00
9th Street (Denver to Elgin) - south	\$ 165,000.00
Admiral Place (A) (Peoria to Lewis) - north	\$ 359,000.00
Admiral Place (B) (Lewis to Harvard) - north	\$ 415,000.00
Admiral Place (B) (Lewis to Harvard) - south	\$ 154,000.00
Admiral Place (C) (Harvard to Yale) - north	\$ 205,000.00
Admiral Place (C) (Harvard to Yale) - south	\$ 431,000.00
Admiral Place (E) (Memorial to Mingo) - north	\$ 297,000.00
Admiral Place (E) (Memorial to Mingo) - south	\$ 296,000.00
Admiral Place (F) (Mingo to Garnett) - north	\$ 291,000.00
Admiral Place (F) (Mingo to Garnett) - south	\$ 285,000.00
Admiral Place (G) (Garnett to 129th) - north	\$ 290,000.00
Admiral Place (G) (Garnett to 129th) - south	\$ 274,000.00
Admiral Place (H) (129th to 145th) - north	\$ 287,000.00
Admiral Place (H) (129th to 145th) - south	\$ 161,000.00
Admiral Place (J) (Sheridan to Memorial) - north	\$ 307,000.00
Admiral Place (J) (Sheridan to Memorial) - south	\$ 307,000.00
Apache Street (A) (22' west of Osage to Cincinnati) - north	\$ 157,000.00
Apache Street (A) (22' west of Osage to Cincinnati) - south	\$ 237,000.00
Apache Street (B) (Cincinnati to Peoria) - north	\$ 313,000.00
Apache Street (B) (Cincinnati to Peoria) - south	\$ 263,000.00
Apache Street (C) (Peoria to Lewis) - north	\$ 222,000.00
Apache Street (C) (Peoria to Lewis) - south	\$ 235,000.00
Apache Street (D) (Lewis to Harvard) - north	\$ 295,000.00
Apache Street (D) (Lewis to Harvard) - south	\$ 270,000.00
Apache Street (E) (Harvard to Yale) - north	\$ 306,000.00
Apache Street (E) (Harvard to Yale) - south	\$ 311,000.00
Apache Street (F) (Yale to Sheridan) - north	\$ 251,000.00
Apache Street (F) (Yale to Sheridan) - south	\$ 254,000.00
Archer Street (Lawton to I-244) - north	\$ 414,000.00
Archer Street (Lawton to I-244) - south	\$ 425,000.00
Boston Avenue (A) (5th to Hwy 64) - east	\$ 224,000.00
Boston Avenue (A) (5th to Hwy 64) - west	\$ 265,000.00
Boston Avenue (B) (3rd to 5th) - east	\$ 90,000.00
Boston Avenue (B) (3rd to 5th) - west	\$ 60,000.00
Boston Avenue (C) (Fairview to Archer) - east	\$ 30,000.00
Boston Avenue (C) (Fairview to Archer) - west	\$ 103,000.00
Boulder Avenue (A) (1st to Hwy 64) - east	\$ 374,000.00
Boulder Avenue (A) (1st to Hwy 64) - west	\$ 253,000.00
Boulder Avenue (B) (Fairview to Archer) - east	\$ 130,000.00

Project Name	Cost Projection
Boulder Avenue (B) (Fairview to Archer) - west	\$ 79,000.00
Brady Avenue (Denver to Elgin) - north	\$ 202,000.00
Brady Avenue (Denver to Elgin) - south	\$ 115,000.00
Cameron Street (Denver to Detroit) - north	\$ 124,000.00
Cameron Street (Denver to Detroit) - south	\$ 74,000.00
Charles Page Boulevard (A) (65th to 49th) - south	\$ 235,000.00
Charles Page Boulevard (B) (49th to Railroad Tracks) - north	\$ 190,000.00
Charles Page Boulevard (B) (49th to Railroad Tracks) - south	\$ 418,000.00
Charles Page Boulevard (C) (Railroad Tracks to 25th) - north	\$ 143,000.00
Charles Page Boulevard (C) (Railroad Tracks to 25th) - south	\$ 175,000.00
Charles Page Boulevard (D) (Rosedale to Nogales) - north	\$ 54,000.00
Charles Page Boulevard (D) (Rosedale to Nogales) - south	\$ 26,000.00
Charles Page Boulevard (E) (25th to Rosedale) - north	\$ 236,000.00
Charles Page Boulevard (E) (25th to Rosedale) - south	\$ 243,000.00
Cheyenne Avenue (Hwy 64 to Fairview) - east	\$ 592,000.00
Cheyenne Avenue (Hwy 64 to Fairview) - west	\$ 442,000.00
Cincinnati Avenue (A) (Haskell to Pine) - east	\$ 163,000.00
Cincinnati Avenue (A) (Haskell to Pine) - west	\$ 174,000.00
Cincinnati Avenue (B) (Pine to Apache) - east	\$ 263,000.00
Cincinnati Avenue (B) (Pine to Apache) - west	\$ 341,000.00
Cincinnati Avenue (C) (Apache to 36th) - east	\$ 188,000.00
Cincinnati Avenue (C) (Apache to 36th) - west	\$ 312,000.00
Cincinnati Avenue (D) (46th to 56th) - east	\$ 222,000.00
Cincinnati Avenue (D) (46th to 56th) - west	\$ 238,000.00
Cincinnati Avenue (F) (13th to I-244) - east	\$ 464,000.00
Cincinnati Avenue (F) (13th to I-244) - west	\$ 388,000.00
Delaware Avenue (A) (91st to 81st) - east	\$ 284,000.00
Delaware Avenue (A) (91st to 81st) - west	\$ 266,000.00
Delaware Avenue (B) (Riverside to 91st) - east	\$ 89,000.00
Delaware Avenue (B) (Riverside to 91st) - west	\$ 75,000.00
Denver Avenue (Fairview to Riverside) - east	\$ 613,000.00
Denver Avenue (Fairview to Riverside) - west	\$ 511,000.00
Detroit Avenue (I-244 to 13th) - east	\$ 453,000.00
Detroit Avenue (I-244 to 13th) - west	\$ 538,000.00
Edison Street (A) (49th to 33rd) - north	\$ 230,000.00
Edison Street (A) (49th to 33rd) - south	\$ 198,000.00
Edison Street (B) (33rd to 25th) - north	\$ 122,000.00
Edison Street (B) (33rd to 25th) - south	\$ 171,000.00
Edison Street (C) (25th to Union) - north	\$ 136,000.00
Edison Street (C) (25th to Union) - south	\$ 157,000.00
Edison Street (D) (Union to Denver) - north	\$ 255,000.00
Edison Street (D) (Union to Denver) - south	\$ 181,000.00
Elgin Avenue (10th to John Hope Franklin) - east	\$ 317,000.00
Elgin Avenue (10th to John Hope Franklin) - west	\$ 523,000.00

Project Name	Cost Projection
Elwood Avenue (6th to 7th) - east	\$ 19,000.00
Elwood Avenue (6th to 7th) - west	\$ 19,000.00
Frankfort Avenue (2nd to 7th) - east	\$ 121,000.00
Frankfort Avenue (2nd to 7th) - west	\$ 192,000.00
Frisco Avenue (A) (6th to 7th) - east	\$ 8,000.00
Frisco Avenue (A) (6th to 7th) - west	\$ 8,000.00
Frisco Avenue (1st to 3rd) - east	\$ 26,000.00
Frisco Avenue (1st to 3rd) - west	\$ 24,000.00
Garnett Road (A) (61st to 51st) - east	\$ 277,000.00
Garnett Road (A) (61st to 51st) - west	\$ 245,000.00
Garnett Road (B) (51st to 41st) - east	\$ 125,000.00
Garnett Road (B) (51st to 41st) - west	\$ 235,000.00
Garnett Road (C) (41st to 31st) - east	\$ 392,000.00
Garnett Road (C) (41st to 31st) - west	\$ 344,000.00
Garnett Road (D) (31st to 21st) - east	\$ 392,000.00
Garnett Road (D) (31st to 21st) - west	\$ 355,000.00
Garnett Road (E) (21st to 11th) - east	\$ 106,000.00
Garnett Road (E) (21st to 11th) - west	\$ 117,000.00
Garnett Road (F) (11th to I-244) - east	\$ 347,000.00
Garnett Road (F) (11th to I-244) - west	\$ 318,000.00
Greenwood Avenue (I-244 to 3rd) - east	\$ 102,000.00
Greenwood Avenue (I-244 to 3rd) - west	\$ 115,000.00
Harvard Avenue (A) (91st to 81st) - east	\$ 323,000.00
Harvard Avenue (A) (91st to 81st) - west	\$ 268,000.00
Harvard Avenue (B) (81st to 71st) - east	\$ 312,000.00
Harvard Avenue (B) (81st to 71st) - west	\$ 306,000.00
Harvard Avenue (C) (71st to 61st) - east	\$ 311,000.00
Harvard Avenue (C) (71st to 61st) - west	\$ 295,000.00
Harvard Avenue (D) (61st to 51st) - east	\$ 329,000.00
Harvard Avenue (D) (61st to 51st) - west	\$ 328,000.00
Harvard Avenue (E) (51st to 41st) - east	\$ 334,000.00
Harvard Avenue (E) (51st to 41st) - west	\$ 330,000.00
Harvard Avenue (F) (41st to 31st) - east	\$ 400,000.00
Harvard Avenue (F) (41st to 31st) - west	\$ 202,000.00
Harvard Avenue (G) (31st to 21st) - east	\$ 345,000.00
Harvard Avenue (G) (31st to 21st) - west	\$ 206,000.00
Harvard Avenue (H) (21st to 11th) - east	\$ 363,000.00
Harvard Avenue (H) (21st to 11th) - west	\$ 359,000.00
Harvard Avenue (I) (11th to Admiral) - east	\$ 220,000.00
Harvard Avenue (I) (11th to Admiral) - west	\$ 150,000.00
Harvard Avenue (J) (Admiral to Pine) - east	\$ 250,000.00
Harvard Avenue (J) (Admiral to Pine) - west	\$ 284,000.00
Harvard Avenue (K) (Pine to Apache) - east	\$ 269,000.00
Harvard Avenue (K) (Pine to Apache) - west	\$ 308,000.00

Project Name	Cost Projection
Harvard Avenue (L) (Apache to 36th) - east	\$ 261,000.00
Harvard Avenue (L) (Apache to 36th) - west	\$ 203,000.00
Harvard Avenue (M) (Creek Turnpike to 91st) - east	\$ 141,000.00
Harvard Avenue (M) (Creek Turnpike to 91st) - west	\$ 141,000.00
Heavy Traffic Way (Guthrie to 7th) - east	\$ 106,000.00
Heavy Traffic Way (Guthrie to 7th) - west	\$ 102,000.00
Houston Avenue (11th to Heavy Traffic) - east	\$ 96,000.00
Houston Avenue (11th to Heavy Traffic) - west	\$ 123,000.00
Kennosha Avenue (1st to 7th) - east	\$ 185,000.00
Kennosha Avenue (1st to 7th) - west	\$ 161,000.00
Lewis Avenue (A) (91st to 81st) - east	\$ 296,000.00
Lewis Avenue (A) (91st to 81st) - west	\$ 328,000.00
Lewis Avenue (B) (81st to 71st) - east	\$ 368,000.00
Lewis Avenue (B) (81st to 71st) - west	\$ 318,000.00
Lewis Avenue (C) (71st to 61st) - east	\$ 388,000.00
Lewis Avenue (C) (71st to 61st) - west	\$ 410,000.00
Lewis Avenue (D) (61st to 51st) - east	\$ 323,000.00
Lewis Avenue (D) (61st to 51st) - west	\$ 311,000.00
Lewis Avenue (E) (51st to 41st) - east	\$ 345,000.00
Lewis Avenue (E) (51st to 41st) - west	\$ 306,000.00
Lewis Avenue (H) (21st to 11th) - east	\$ 267,000.00
Lewis Avenue (H) (21st to 11th) - west	\$ 222,000.00
Lewis Avenue (I) (11th to Admiral) - east	\$ 424,000.00
Lewis Avenue (I) (11th to Admiral) - west	\$ 562,000.00
Lewis Avenue (J) (Admiral to Pine) - east	\$ 458,000.00
Lewis Avenue (J) (Admiral to Pine) - west	\$ 427,000.00
Lewis Avenue (K) (Pine to Apache) - east	\$ 418,000.00
Lewis Avenue (K) (Pine to Apache) - west	\$ 328,000.00
Lewis Avenue (L) (Apache to 36th) - east	\$ 328,000.00
Lewis Avenue (L) (Apache to 36th) - west	\$ 344,000.00
Lewis Avenue (M) (36th to 46th) - east	\$ 306,000.00
Lewis Avenue (M) (36th to 46th) - west	\$ 297,000.00
Lewis Avenue (N) (46th to 56th) - east	\$ 291,000.00
Lewis Avenue (N) (46th to 56th) - west	\$ 301,000.00
Main Street (A) (Hwy 64 to 4th) - east	\$ 277,000.00
Main Street (A) (Hwy 64 to 4th) - west	\$ 215,000.00
Main Street (B) (4th to 3rd) - east	\$ 31,000.00
Main Street (B) (4th to 3rd) - west	\$ 55,000.00
Main Street (C) (1st to Fairview) - east	\$ 260,000.00
Main Street (C) (1st to Fairview) - west	\$ 177,000.00
Memorial Drive (A) (101st to 91st) - east	\$ 247,000.00
Memorial Drive (A) (101st to 91st) - west	\$ 267,000.00
Memorial Drive (B) (91st to 81st) - east	\$ 305,000.00
Memorial Drive (B) (91st to 81st) - west	\$ 309,000.00

Project Name	Cost Projection
Memorial Drive (C) (81st to 71st) - east	\$ 312,000.00
Memorial Drive (C) (81st to 71st) - west	\$ 316,000.00
Memorial Drive (D) (71st to 61st) - east	\$ 309,000.00
Memorial Drive (D) (71st to 61st) - west	\$ 326,000.00
Memorial Drive (E) (61st to 51st) - east	\$ 310,000.00
Memorial Drive (E) (61st to 51st) - west	\$ 309,000.00
Memorial Drive (F) (51st to 41st) - east	\$ 303,000.00
Memorial Drive (F) (51st to 41st) - west	\$ 287,000.00
Memorial Drive (G) (41st to 31st) - east	\$ 310,000.00
Memorial Drive (G) (41st to 31st) - west	\$ 255,000.00
Memorial Drive (H) (31st to 21st) - east	\$ 284,000.00
Memorial Drive (H) (31st to 21st) - west	\$ 260,000.00
Memorial Drive (I) (21st to 11th) - east	\$ 294,000.00
Memorial Drive (I) (21st to 11th) - west	\$ 308,000.00
Memorial Drive (J) (11th to Admiral) - east	\$ 262,000.00
Memorial Drive (J) (11th to Admiral) - west	\$ 266,000.00
Memorial Drive (K) (Admiral to Pine) - east	\$ 311,000.00
Memorial Drive (K) (Admiral to Pine) - west	\$ 314,000.00
Memorial Drive (L) (101st to 400' south of 101st) - east	\$ 16,000.00
Memorial Drive (L) (101st to 400' south of 101st) - west	\$ 22,000.00
Mingo Road (A) (101st to 91st) - east	\$ 274,000.00
Mingo Road (A) (101st to 91st) - west	\$ 318,000.00
Mingo Road (B) (91st to 81st) - east	\$ 298,000.00
Mingo Road (B) (91st to 81st) - west	\$ 281,000.00
Mingo Road (C) (81st to 71st) - east	\$ 294,000.00
Mingo Road (C) (81st to 71st) - west	\$ 306,000.00
Mingo Road (D) (71st to 61st) - east	\$ 369,000.00
Mingo Road (D) (71st to 61st) - west	\$ 362,000.00
Mingo Road (E) (61st to 51st) - east	\$ 335,000.00
Mingo Road (E) (61st to 51st) - west	\$ 354,000.00
Mingo Road (F) (51st to 41st) - east	\$ 225,000.00
Mingo Road (F) (51st to 41st) - west	\$ 198,000.00
Mingo Road (G) (41st to 31st) - east	\$ 291,000.00
Mingo Road (G) (41st to 31st) - west	\$ 307,000.00
Mingo Road (H) (31st to 21st) - east	\$ 338,000.00
Mingo Road (H) (31st to 21st) - west	\$ 312,000.00
Mingo Road (I) (north of I-244 to south of I-244) - east	\$ 50,000.00
Mingo Road (I) (north of I-244 to south of I-244) - west	\$ 62,000.00
Peoria Avenue (A) (Riverside to 61st) - east	\$ 280,000.00
Peoria Avenue (A) (Riverside to 61st) - west	\$ 253,000.00
Peoria Avenue (B) (61st to 51st) - east	\$ 215,000.00
Peoria Avenue (B) (61st to 51st) - west	\$ 286,000.00
Peoria Avenue (C) (51st to 41st) - east	\$ 381,000.00
Peoria Avenue (C) (51st to 41st) - west	\$ 412,000.00

Project Name	Cost Projection
Peoria Avenue (D) (41st to 31st) - east	\$ 244,000.00
Peoria Avenue (D) (41st to 31st) - west	\$ 224,000.00
Peoria Avenue (E) (31st to 21st) - east	\$ 438,000.00
Peoria Avenue (E) (31st to 21st) - west	\$ 311,000.00
Peoria Avenue (F) (21st to 11th) - east	\$ 424,000.00
Peoria Avenue (F) (21st to 11th) - west	\$ 294,000.00
Peoria Avenue (G) (11th to 4th) - east	\$ 235,000.00
Peoria Avenue (G) (11th to 4th) - west	\$ 175,000.00
Peoria Avenue (H) (Admiral to Pine) - east	\$ 211,000.00
Peoria Avenue (H) (Admiral to Pine) - west	\$ 184,000.00
Peoria Avenue (I) (Pine to Apache) - east	\$ 308,000.00
Peoria Avenue (I) (Pine to Apache) - west	\$ 129,000.00
Peoria Avenue (J) (Apache to 36th) - east	\$ 257,000.00
Peoria Avenue (J) (Apache to 36th) - west	\$ 193,000.00
Peoria Avenue (M) (4th to Admiral) - east	\$ 123,000.00
Peoria Avenue (M) (4th to Admiral) - west	\$ 116,000.00
Pine Street (A) (Union to Cincinnati) - north	\$ 182,000.00
Pine Street (A) (Union to Cincinnati) - south	\$ 214,000.00
Pine Street (B) (Cincinnati to Peoria) - north	\$ 270,000.00
Pine Street (B) (Cincinnati to Peoria) - south	\$ 250,000.00
Pine Street (C) (Peoria to Lewis) - north	\$ 191,000.00
Pine Street (C) (Peoria to Lewis) - south	\$ 228,000.00
Pine Street (D) (Lewis to Harvard) - north	\$ 232,000.00
Pine Street (D) (Lewis to Harvard) - south	\$ 157,000.00
Pine Street (E) (Harvard to Yale) - north	\$ 303,000.00
Pine Street (E) (Harvard to Yale) - south	\$ 311,000.00
Pine Street (F) (Yale to Sheridan) - north	\$ 286,000.00
Pine Street (F) (Yale to Sheridan) - south	\$ 274,000.00
Pine Street (G) (Sheridan to Memorial) - north	\$ 321,000.00
Pine Street (G) (Sheridan to Memorial) - south	\$ 318,000.00
Riverside Drive (C) (51st to 41st) - east	\$ 4,000.00
Riverside Drive (D) (41st to 31st) - east	\$ 12,000.00
Riverside Drive (E) (31st to 21st) - east	\$ 47,000.00
Riverside Drive (E) (31st to 21st) - west	\$ 22,000.00
Riverside Drive (F) (21st to Denver) - east	\$ 21,000.00
Sheridan Road (A) (101st to 91st) - east	\$ 174,000.00
Sheridan Road (A) (101st to 91st) - west	\$ 307,000.00
Sheridan Road (B) (91st to 81st) - east	\$ 275,000.00
Sheridan Road (B) (91st to 81st) - west	\$ 266,000.00
Sheridan Road (C) (81st to 71st) - east	\$ 318,000.00
Sheridan Road (C) (81st to 71st) - west	\$ 316,000.00
Sheridan Road (D) (71st to 61st) - east	\$ 284,000.00
Sheridan Road (D) (71st to 61st) - west	\$ 347,000.00
Sheridan Road (E) (61st to 51st) - east	\$ 288,000.00

Project Name	Cost Projection
Sheridan Road (E) (61st to 51st) - west	\$ 224,000.00
Sheridan Road (F) (51st to 41st) - east	\$ 138,000.00
Sheridan Road (F) (51st to 41st) - west	\$ 114,000.00
Sheridan Road (G) (41st to 31st) - east	\$ 88,000.00
Sheridan Road (G) (41st to 31st) - west	\$ 165,000.00
Sheridan Road (H) (31st to 21st) - east	\$ 96,000.00
Sheridan Road (H) (31st to 21st) - west	\$ 97,000.00
Sheridan Road (I) (21st to 11th) - east	\$ 225,000.00
Sheridan Road (I) (21st to 11th) - west	\$ 191,000.00
Sheridan Road (J) (11th to Admiral) - east	\$ 137,000.00
Sheridan Road (J) (11th to Admiral) - west	\$ 167,000.00
Sheridan Road (K) (Admiral to Pine) - east	\$ 304,000.00
Sheridan Road (K) (Admiral to Pine) - west	\$ 167,000.00
Sheridan Road (L) (Pine to Apache) - east	\$ 203,000.00
Sheridan Road (L) (Pine to Apache) - west	\$ 182,000.00
Southwest Boulevard (A) (33rd to 41st) - east	\$ 236,000.00
Southwest Boulevard (A) (33rd to 41st) - west	\$ 19,000.00
Southwest Boulevard (B) (41st to Union) - west	\$ 261,000.00
Southwest Boulevard (C) (Union to 31st) - east	\$ 78,000.00
Southwest Boulevard (C) (Union to 31st) - west	\$ 201,000.00
Southwest Boulevard (D) (31st to 23rd) - east	\$ 197,000.00
Southwest Boulevard (D) (31st to 23rd) - west	\$ 200,000.00
Southwest Boulevard (E) (23rd to Railroad Tracks) - east	\$ 70,000.00
Southwest Boulevard (E) (23rd to Railroad Tracks) - west	\$ 113,000.00
Union Avenue (A) (71st to 61st) - east	\$ 284,000.00
Union Avenue (A) (71st to 61st) - west	\$ 290,000.00
Union Avenue (B) (51st to 41st) - east	\$ 321,000.00
Union Avenue (B) (51st to 41st) - west	\$ 311,000.00
Union Avenue (C) (61st to 51st) - east	\$ 295,000.00
Union Avenue (C) (61st to 51st) - west	\$ 295,000.00
Utica Avenue (A) (21st to 15th) - east	\$ 90,000.00
Utica Avenue (A) (21st to 15th) - west	\$ 163,000.00
Utica Avenue (B) (15th to 11th) - east	\$ 104,000.00
Utica Avenue (B) (15th to 11th) - west	\$ 169,000.00
Utica Avenue (C) (11th to 2nd) - east	\$ 260,000.00
Utica Avenue (C) (11th to 2nd) - west	\$ 250,000.00
Utica Avenue (D) (Admiral to Pine) - east	\$ 324,000.00
Utica Avenue (D) (Admiral to Pine) - west	\$ 316,000.00
Utica Avenue (E) (2nd to Admiral) - east	\$ 26,000.00
Utica Avenue (E) (2nd to Admiral) - west	\$ 30,000.00
Yale Avenue (A) (101st to 91st) - east	\$ 341,000.00
Yale Avenue (A) (101st to 91st) - west	\$ 325,000.00
Yale Avenue (B) (81st to 71st) - east	\$ 304,000.00
Yale Avenue (B) (81st to 71st) - west	\$ 299,000.00

Project Name	Cost Projection
Yale Avenue (C) (71st to 61st) - east	\$ 260,000.00
Yale Avenue (C) (71st to 61st) - west	\$ 265,000.00
Yale Avenue (D) (61st to 51st) - east	\$ 298,000.00
Yale Avenue (D) (61st to 51st) - west	\$ 243,000.00
Yale Avenue (F) (51st to 41th) - east	\$ 325,000.00
Yale Avenue (F) (51st to 41th) - west	\$ 350,000.00
Yale Avenue (H) (31st to 21st) - east	\$ 309,000.00
Yale Avenue (H) (31st to 21st) - west	\$ 346,000.00
Yale Avenue (I) (21st to 11th) - east	\$ 292,000.00
Yale Avenue (I) (21st to 11th) - west	\$ 243,000.00
Yale Avenue (J) (11th to Admiral) - east	\$ 288,000.00
Yale Avenue (J) (11th to Admiral) - west	\$ 281,000.00
Yale Avenue (K) (Admiral to Pine) - east	\$ 401,000.00
Yale Avenue (K) (Admiral to Pine) - west	\$ 371,000.00
Yale Avenue (L) (Apache to 36th) - east	\$ 223,000.00
Yale Avenue (L) (Apache to 36th) - west	\$ 306,000.00
Yale Avenue (M) (91st to 81st) - east	\$ 329,000.00
Yale Avenue (M) (91st to 81st) - west	\$ 309,000.00
Yale Avenue (N) (Pine to Apache) - east	\$ 321,000.00
Yale Avenue (N) (Pine to Apache) - west	\$ 315,000.00
SUBTOTAL	\$ 133,455,000.00
TOTAL	\$ 139,890,000.00

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (D) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	590	SY	\$ 10.00	\$ 5,900.00
2	CONCRETE SIDEWALK (SD-1)	1,277	SY	\$ 80.00	\$ 102,160.00
3	REMOVAL OF PAVEMENT	743	SY	\$ 10.00	\$ 7,430.00
4	CONCRETE DRIVEWAY	124	CY	\$ 500.00	\$ 62,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	177,490.00
Engineering: (% +/-)	15%	\$ 26,790.00
Contingency: (% +/-)	20%	\$ 35,720.00
Estimated Project Cost:	\$	240,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,191
Medium	0
Low	0
Compliant	0
Total	5,191

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (D) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	711	SY	\$ 10.00	\$ 7,110.00
2	CONCRETE SIDEWALK (SD-1)	2,202	SY	\$ 80.00	\$ 176,160.00
3	REMOVAL OF PAVEMENT	339	SY	\$ 10.00	\$ 3,390.00
4	CONCRETE DRIVEWAY	57	CY	\$ 500.00	\$ 28,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	216,160.00
Engineering: (% +/-)	15%	\$ 32,502.86
Contingency: (% +/-)	20%	\$ 43,337.14
Estimated Project Cost:	\$	292,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,213
Medium	0
Low	0
Compliant	0
Total	5,213

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (A) (Peoria to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	5,753	SY	\$ 80.00	\$ 460,240.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDICAP RAMP (HR-1)	24	EA	\$ 1,500.00	\$ 36,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	496,240.00
Engineering: (% +/-)	15%	\$ 74,468.57
Contingency: (% +/-)	20%	\$ 99,291.43
Estimated Project Cost:	\$	670,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	10,354
Medium	0
Low	0
Compliant	0
Total	10,354

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (A) (Peoria to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	5,753	SY	\$ 80.00	\$ 460,240.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDICAP RAMP (HR-1)	30	EA	\$ 1,500.00	\$ 45,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	505,240.00
Engineering: (% +/-)	15%	\$ 76,182.86
Contingency: (% +/-)	20%	\$ 101,577.14
Estimated Project Cost:	\$	683,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	10,354
Medium	0
Low	0
Compliant	0
Total	10,354

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (B) (Cincinnati to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	104	SY	\$ 80.00	\$ 8,320.00
3	REMOVAL OF PAVEMENT	279	SY	\$ 10.00	\$ 2,790.00
4	CONCRETE DRIVEWAY	46	CY	\$ 500.00	\$ 23,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	34,610.00
Engineering: (% +/-)	15%	\$ 5,310.00
Contingency: (% +/-)	20%	\$ 7,080.00
Estimated Project Cost:	\$	47,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,296
Medium	0
Low	0
Compliant	0
Total	5,296

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (B) (Cincinnati to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,856	SY	\$ 80.00	\$ 228,480.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,980.00
Engineering: (% +/-)	15%	\$ 34,722.86
Contingency: (% +/-)	20%	\$ 46,297.14
Estimated Project Cost:	\$	310,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,296
Medium	0
Low	0
Compliant	0
Total	5,296

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (C) (Peoria to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	-
Engineering: (% +/-)	15%	\$ -
Contingency: (% +/-)	20%	\$ -
Estimated Project Cost:	\$	-

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Per the City of Tulsa, sidewalk installation at this location is impractical because of topographic constraints.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	0
Compliant	0
Total	0

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (C) (Peoria to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	-
Engineering: (% +/-)	15%	\$ -
Contingency: (% +/-)	20%	\$ -
Estimated Project Cost:	\$	-

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Per the City of Tulsa, sidewalk installation at this location is impractical because of topographic constraints.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	0
Compliant	0
Total	0

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (D) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,937	SY	\$ 80.00	\$ 234,960.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	2	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	234,960.00
Engineering: (% +/-)	15%	\$ 35,588.57
Contingency: (% +/-)	20%	\$ 47,451.43
Estimated Project Cost:	\$	318,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,287
Medium	0
Low	0
Compliant	0
Total	5,287

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (D) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,937	SY	\$ 80.00	\$ 234,960.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	2	LS	\$ -	\$ -
10	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	240,960.00
Engineering: (% +/-)	15%	\$ 36,445.71
Contingency: (% +/-)	20%	\$ 48,594.29
Estimated Project Cost:	\$	326,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,287
Medium	0
Low	0
Compliant	0
Total	5,287

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (E) (36th to 46th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	-
Engineering: (% +/-)	15%	\$ -
Contingency: (% +/-)	20%	\$ -
Estimated Project Cost:	\$	-

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Per the City of Tulsa, sidewalk installation at this location is impractical because of topographic constraints.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	0
Compliant	0
Total	0

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (E) (36th to 46th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	0	SY	\$ 80.00	\$ -
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	-
Engineering: (% +/-)	15%	\$ -
Contingency: (% +/-)	20%	\$ -
Estimated Project Cost:	\$	-

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Per the City of Tulsa, sidewalk installation at this location is impractical because of topographic constraints.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	0
Compliant	0
Total	0

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (F) (21st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,927	SY	\$ 10.00	\$ 29,270.00
2	CONCRETE SIDEWALK (SD-1)	5,867	SY	\$ 80.00	\$ 469,360.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	5	LS	\$ 500.00	\$ 2,500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	501,130.00
Engineering: (% +/-)	15%	\$ 75,372.86
Contingency: (% +/-)	20%	\$ 100,497.14
Estimated Project Cost:	\$	677,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	10,560
Medium	0
Low	0
Compliant	0
Total	10,560

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (F) (21st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,927	SY	\$ 10.00	\$ 29,270.00
2	CONCRETE SIDEWALK (SD-1)	5,867	SY	\$ 80.00	\$ 469,360.00
3	REMOVAL OF PAVEMENT	33	SY	\$ 10.00	\$ 330.00
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	4	LS	\$ 500.00	\$ 2,000.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	500,960.00
Engineering: (% +/-)	15%	\$ 75,445.71
Contingency: (% +/-)	20%	\$ 100,594.29
Estimated Project Cost:	\$	677,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	10,560
Medium	0
Low	0
Compliant	0
Total	10,560

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (K) (36th to 46th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,868	SY	80.00	\$ 229,440.00
3	REMOVAL OF PAVEMENT	0	SY	10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	-	\$ -
10	HANDRAIL	0	LF	75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,440.00
Engineering: (% +/-)	15%	\$ 34,525.71
Contingency: (% +/-)	20%	\$ 46,034.29
Estimated Project Cost:	\$	310,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,162
Medium	0
Low	0
Compliant	0
Total	5,162

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (K) (36th to 46th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,867	SY	80.00	\$ 229,360.00
3	REMOVAL OF PAVEMENT	0	SY	10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	-	\$ -
10	HANDRAIL	0	LF	75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,360.00
Engineering: (% +/-)	15%	\$ 34,560.00
Contingency: (% +/-)	20%	\$ 46,080.00
Estimated Project Cost:	\$	310,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,160
Medium	0
Low	0
Compliant	0
Total	5,160

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (L) (46th to 56th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,859	SY	80.00	\$ 228,720.00
3	REMOVAL OF PAVEMENT	0	SY	10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	-	\$ -
10	HANDRAIL	0	LF	75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,720.00
Engineering: (% +/-)	15%	\$ 34,405.71
Contingency: (% +/-)	20%	\$ 45,874.29
Estimated Project Cost:	\$	309,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,145
Medium	0
Low	0
Compliant	0
Total	5,145

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (L) (46th to 56th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,858	SY	80.00	\$ 228,640.00
3	REMOVAL OF PAVEMENT	0	SY	10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	-	\$ -
10	HANDRAIL	0	LF	75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,640.00
Engineering: (% +/-)	15%	\$ 34,440.00
Contingency: (% +/-)	20%	\$ 45,920.00
Estimated Project Cost:	\$	309,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5,144
Medium	0
Low	0
Compliant	0
Total	5,144

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (G) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	970	SY	\$ 10.00	\$ 9,700.00
2	CONCRETE SIDEWALK (SD-1)	2,137	SY	\$ 80.00	\$ 170,960.00
3	REMOVAL OF PAVEMENT	339	SY	\$ 10.00	\$ 3,390.00
4	CONCRETE DRIVEWAY	57	CY	\$ 500.00	\$ 28,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	212,550.00
Engineering: (% +/-)	15%	\$ 31,907.14
Contingency: (% +/-)	20%	\$ 42,542.86
Estimated Project Cost:	\$	287,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	5,092
Medium	0
Low	0
Compliant	0
Total	5,092

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (G) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	648	SY	\$ 10.00	\$ 6,480.00
2	CONCRETE SIDEWALK (SD-1)	648	SY	\$ 80.00	\$ 51,840.00
3	REMOVAL OF PAVEMENT	523	SY	\$ 10.00	\$ 5,230.00
4	CONCRETE DRIVEWAY	88	CY	\$ 500.00	\$ 44,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	107,550.00
Engineering: (% +/-)	15%	\$ 16,478.57
Contingency: (% +/-)	20%	\$ 21,971.43
Estimated Project Cost:	\$	146,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	5,165
Medium	0
Low	0
Compliant	0
Total	5,165

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 10th Street (Elgin to Boulder) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	595	SY	\$ 10.00	\$ 5,950.00
2	CONCRETE SIDEWALK (SD-1)	595	SY	\$ 80.00	\$ 47,600.00
3	REMOVAL OF PAVEMENT	378	SY	\$ 10.00	\$ 3,780.00
4	CONCRETE DRIVEWAY	63	CY	\$ 500.00	\$ 31,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	88,830.00
Engineering: (% +/-)	15%	\$ 13,358.57
Contingency: (% +/-)	20%	\$ 17,811.43
Estimated Project Cost:	\$	120,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	236
Medium	345
Low	589
Compliant	660
Total	1,831

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 10th Street (Elgin to Boulder) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	753	SY	\$ 10.00	\$ 7,530.00
2	CONCRETE SIDEWALK (SD-1)	753	SY	\$ 80.00	\$ 60,240.00
3	REMOVAL OF PAVEMENT	328	SY	\$ 10.00	\$ 3,280.00
4	CONCRETE DRIVEWAY	55	CY	\$ 500.00	\$ 27,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	98,550.00
Engineering: (% +/-)	15%	\$ 15,192.86
Contingency: (% +/-)	20%	\$ 20,257.14
Estimated Project Cost:	\$	134,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	230
Medium	70
Low	465
Compliant	665
Total	1,429

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (A) (Peoria to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,815	SY	\$ 10.00	\$ 18,150.00
2	CONCRETE SIDEWALK (SD-1)	1,823	SY	\$ 80.00	\$ 145,840.00
3	REMOVAL OF PAVEMENT	1,225	SY	\$ 10.00	\$ 12,250.00
4	CONCRETE DRIVEWAY	205	CY	\$ 500.00	\$ 102,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	278,740.00
Engineering: (% +/-)	15%	\$ 42,111.43
Contingency: (% +/-)	20%	\$ 56,148.57
Estimated Project Cost:	\$	377,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,113
Medium	1,021
Low	1,488
Compliant	1,475
Total	5,097

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (A) (Peoria to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,396	SY	\$ 10.00	\$ 13,960.00
2	CONCRETE SIDEWALK (SD-1)	1,396	SY	\$ 80.00	\$ 111,680.00
3	REMOVAL OF PAVEMENT	832	SY	\$ 10.00	\$ 8,320.00
4	CONCRETE DRIVEWAY	139	CY	\$ 500.00	\$ 69,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	203,960.00
Engineering: (% +/-)	15%	\$ 30,874.29
Contingency: (% +/-)	20%	\$ 41,165.71
Estimated Project Cost:	\$	276,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	708
Medium	780
Low	1,459
Compliant	2,098
Total	5,045

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (B) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,895	SY	\$ 10.00	\$ 18,950.00
2	CONCRETE SIDEWALK (SD-1)	1,987	SY	\$ 80.00	\$ 158,960.00
3	REMOVAL OF PAVEMENT	668	SY	\$ 10.00	\$ 6,680.00
4	CONCRETE DRIVEWAY	112	CY	\$ 500.00	\$ 56,000.00
5	RELOCATE FIRE HYDRANT	2	LS	\$ 2,000.00	\$ 4,000.00
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	8	LS	\$ 500.00	\$ 4,000.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	249,590.00
Engineering: (% +/-)	15%	\$ 37,461.43
Contingency: (% +/-)	20%	\$ 49,948.57
Estimated Project Cost:	\$	337,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	852
Medium	424
Low	1,516
Compliant	2,383
Total	5,175

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (B) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,503	SY	\$ 10.00	\$ 15,030.00
2	CONCRETE SIDEWALK (SD-1)	1,562	SY	\$ 80.00	\$ 124,960.00
3	REMOVAL OF PAVEMENT	639	SY	\$ 10.00	\$ 6,390.00
4	CONCRETE DRIVEWAY	107	CY	\$ 500.00	\$ 53,500.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	7	LS	\$ 500.00	\$ 3,500.00
7	REMOVE OBSTRUCTION	9	LS	\$ 500.00	\$ 4,500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	209,880.00
Engineering: (% +/-)	15%	\$ 31,765.71
Contingency: (% +/-)	20%	\$ 42,354.29
Estimated Project Cost:	\$	284,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	511
Medium	426
Low	1,675
Compliant	2,575
Total	5,187

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (C) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,217	SY	\$ 10.00	\$ 12,170.00
2	CONCRETE SIDEWALK (SD-1)	1,267	SY	\$ 80.00	\$ 101,360.00
3	REMOVAL OF PAVEMENT	1,567	SY	\$ 10.00	\$ 15,670.00
4	CONCRETE DRIVEWAY	262	CY	\$ 500.00	\$ 131,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	260,700.00
Engineering: (% +/-)	15%	\$ 39,128.57
Contingency: (% +/-)	20%	\$ 52,171.43
Estimated Project Cost:	\$	352,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,395
Medium	317
Low	1,298
Compliant	2,176
Total	5,185

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (C) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,887	SY	\$ 10.00	\$ 18,870.00
2	CONCRETE SIDEWALK (SD-1)	1,904	SY	\$ 80.00	\$ 152,320.00
3	REMOVAL OF PAVEMENT	1,415	SY	\$ 10.00	\$ 14,150.00
4	CONCRETE DRIVEWAY	236	CY	\$ 500.00	\$ 118,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	304,840.00
Engineering: (% +/-)	15%	\$ 45,925.71
Contingency: (% +/-)	20%	\$ 61,234.29
Estimated Project Cost:	\$	412,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	696
Medium	808
Low	1,861
Compliant	1,773
Total	5,139

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (E) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	373	SY	\$ 10.00	\$ 3,730.00
2	CONCRETE SIDEWALK (SD-1)	2,432	SY	\$ 80.00	\$ 194,560.00
3	REMOVAL OF PAVEMENT	373	SY	\$ 10.00	\$ 3,730.00
4	CONCRETE DRIVEWAY	63	CY	\$ 500.00	\$ 31,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	235,520.00
Engineering: (% +/-)	15%	\$ 35,348.57
Contingency: (% +/-)	20%	\$ 47,131.43
Estimated Project Cost:	\$	318,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	320
Medium	155
Low	4,138
Compliant	559
Total	5,172

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061277900	Date: 7/24/2012 Prepared By: EPE Checked By: SRA
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Corridor: 11th Street South (E) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	300	SY	\$ 10.00	\$ 3,000.00
2	CONCRETE SIDEWALK (SD-1)	2,697	SY	\$ 80.00	\$ 215,760.00
3	REMOVAL OF PAVEMENT	134	SY	\$ 10.00	\$ 1,340.00
4	CONCRETE DRIVEWAY	23	CY	\$ 500.00	\$ 11,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection		Subtotal: \$	232,100.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-) 15%	\$ 35,100.00
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-) 20%	\$ 46,800.00
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	314,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	218
Medium	109
Low	4,550
Compliant	276
Total	5,153

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (F) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,091	SY	\$ 10.00	\$ 10,910.00
2	CONCRETE SIDEWALK (SD-1)	1,161	SY	\$ 80.00	\$ 92,880.00
3	REMOVAL OF PAVEMENT	523	SY	\$ 10.00	\$ 5,230.00
4	CONCRETE DRIVEWAY	88	CY	\$ 500.00	\$ 44,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	9	LS	\$ 500.00	\$ 4,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	157,520.00
Engineering: (% +/-)	15%	\$ 23,777.14
Contingency: (% +/-)	20%	\$ 31,702.86
Estimated Project Cost:	\$	213,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	510
Medium	663
Low	1,561
Compliant	2,458
Total	5,192

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (F) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,403	SY	\$ 10.00	\$ 14,030.00
2	CONCRETE SIDEWALK (SD-1)	1,444	SY	\$ 80.00	\$ 115,520.00
3	REMOVAL OF PAVEMENT	673	SY	\$ 10.00	\$ 6,730.00
4	CONCRETE DRIVEWAY	113	CY	\$ 500.00	\$ 56,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,780.00
Engineering: (% +/-)	15%	\$ 29,237.14
Contingency: (% +/-)	20%	\$ 38,982.86
Estimated Project Cost:	\$	261,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	523
Medium	793
Low	1,660
Compliant	2,195
Total	5,170

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (G) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,395	SY	\$ 10.00	\$ 13,950.00
2	CONCRETE SIDEWALK (SD-1)	1,820	SY	\$ 80.00	\$ 145,600.00
3	REMOVAL OF PAVEMENT	928	SY	\$ 10.00	\$ 9,280.00
4	CONCRETE DRIVEWAY	155	CY	\$ 500.00	\$ 77,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	247,330.00
Engineering: (% +/-)	15%	\$ 37,144.29
Contingency: (% +/-)	20%	\$ 49,525.71
Estimated Project Cost:	\$	334,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	48
Medium	487
Low	3,339
Compliant	1,202
Total	5,076

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (G) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	843	SY	\$ 10.00	\$ 8,430.00
2	CONCRETE SIDEWALK (SD-1)	843	SY	\$ 80.00	\$ 67,440.00
3	REMOVAL OF PAVEMENT	1,623	SY	\$ 10.00	\$ 16,230.00
4	CONCRETE DRIVEWAY	271	CY	\$ 500.00	\$ 135,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,100.00
Engineering: (% +/-)	15%	\$ 34,242.86
Contingency: (% +/-)	20%	\$ 45,657.14
Estimated Project Cost:	\$	308,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	424
Medium	575
Low	1,259
Compliant	2,841
Total	5,099

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (H) (Garnett to 129th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,090	SY	\$ 10.00	\$ 20,900.00
2	CONCRETE SIDEWALK (SD-1)	2,686	SY	\$ 80.00	\$ 214,880.00
3	REMOVAL OF PAVEMENT	400	SY	\$ 10.00	\$ 4,000.00
4	CONCRETE DRIVEWAY	67	CY	\$ 500.00	\$ 33,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	274,780.00
Engineering: (% +/-)	15%	\$ 41,237.14
Contingency: (% +/-)	20%	\$ 54,982.86
Estimated Project Cost:	\$	371,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	781
Medium	1,463
Low	2,538
Compliant	353
Total	5,136

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street South (H) (Garnett to 129th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,854	SY	\$ 10.00	\$ 18,540.00
2	CONCRETE SIDEWALK (SD-1)	2,443	SY	\$ 80.00	\$ 195,440.00
3	REMOVAL OF PAVEMENT	406	SY	\$ 10.00	\$ 4,060.00
4	CONCRETE DRIVEWAY	68	CY	\$ 500.00	\$ 34,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	252,540.00
Engineering: (% +/-)	15%	\$ 37,911.43
Contingency: (% +/-)	20%	\$ 50,548.57
Estimated Project Cost:	\$	341,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	220
Medium	446
Low	3,359
Compliant	1,124
Total	5,150

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street (J) (Peoria to Elgin) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	735	SY	\$ 10.00	\$ 7,350.00
2	CONCRETE SIDEWALK (SD-1)	735	SY	\$ 80.00	\$ 58,800.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	69,490.00
Engineering: (% +/-)	15%	\$ 10,504.29
Contingency: (% +/-)	20%	\$ 14,005.71
Estimated Project Cost:	\$	94,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	175
Medium	287
Low	775
Compliant	604
Total	1,841

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street (J) (Peoria to Elgin) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	703	SY	\$ 10.00	\$ 7,030.00
2	CONCRETE SIDEWALK (SD-1)	703	SY	\$ 80.00	\$ 56,240.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	68,830.00
Engineering: (% +/-)	15%	\$ 10,358.57
Contingency: (% +/-)	20%	\$ 13,811.43
Estimated Project Cost:	\$	93,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	135
Medium	262
Low	709
Compliant	486
Total	1,591

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street (K) (Main to Elgin) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,299	SY	\$ 10.00	\$ 12,990.00
2	CONCRETE SIDEWALK (SD-1)	1,365	SY	\$ 80.00	\$ 109,200.00
3	REMOVAL OF PAVEMENT	123	SY	\$ 10.00	\$ 1,230.00
4	CONCRETE DRIVEWAY	21	CY	\$ 500.00	\$ 10,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	133,920.00
Engineering: (% +/-)	15%	\$ 20,177.14
Contingency: (% +/-)	20%	\$ 26,902.86
Estimated Project Cost:	\$	181,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	236
Medium	346
Low	750
Compliant	287
Total	1,620

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street (K) (Main to Elgin) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	384	SY	\$ 10.00	\$ 3,840.00
2	CONCRETE SIDEWALK (SD-1)	389	SY	\$ 80.00	\$ 31,120.00
3	REMOVAL OF PAVEMENT	173	SY	\$ 10.00	\$ 1,730.00
4	CONCRETE DRIVEWAY	29	CY	\$ 500.00	\$ 14,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	51,190.00
Engineering: (% +/-)	15%	\$ 8,061.43
Contingency: (% +/-)	20%	\$ 10,748.57
Estimated Project Cost:	\$	70,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	188
Medium	159
Low	498
Compliant	737
Total	1,582

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street (L) (Boulder to Elgin) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	915	SY	\$ 10.00	\$ 9,150.00
2	CONCRETE SIDEWALK (SD-1)	915	SY	\$ 80.00	\$ 73,200.00
3	REMOVAL OF PAVEMENT	384	SY	\$ 10.00	\$ 3,840.00
4	CONCRETE DRIVEWAY	64	CY	\$ 500.00	\$ 32,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	118,190.00
Engineering: (% +/-)	15%	\$ 17,918.57
Contingency: (% +/-)	20%	\$ 23,891.43
Estimated Project Cost:	\$	160,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	475
Medium	282
Low	966
Compliant	982
Total	2,705

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 11th Street (L) (Boulder to Elgin) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	541	SY	\$ 10.00	\$ 5,410.00
2	CONCRETE SIDEWALK (SD-1)	541	SY	\$ 80.00	\$ 43,280.00
3	REMOVAL OF PAVEMENT	351	SY	\$ 10.00	\$ 3,510.00
4	CONCRETE DRIVEWAY	59	CY	\$ 500.00	\$ 29,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	81,700.00
Engineering: (% +/-)	15%	\$ 12,557.14
Contingency: (% +/-)	20%	\$ 16,742.86
Estimated Project Cost:	\$	111,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	492
Medium	218
Low	513
Compliant	631
Total	1,854

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (A) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,003	SY	\$ 10.00	\$ 20,030.00
2	CONCRETE SIDEWALK (SD-1)	2,003	SY	\$ 80.00	\$ 160,240.00
3	REMOVAL OF PAVEMENT	167	SY	\$ 10.00	\$ 1,670.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	196,940.00
Engineering: (% +/-)	15%	\$ 29,597.14
Contingency: (% +/-)	20%	\$ 39,462.86
Estimated Project Cost:	\$	266,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	265
Medium	655
Low	2,642
Compliant	1,607
Total	5,169

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (A) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,139	SY	\$ 10.00	\$ 21,390.00
2	CONCRETE SIDEWALK (SD-1)	2,139	SY	\$ 80.00	\$ 171,120.00
3	REMOVAL OF PAVEMENT	62	SY	\$ 10.00	\$ 620.00
4	CONCRETE DRIVEWAY	11	CY	\$ 500.00	\$ 5,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	198,630.00
Engineering: (% +/-)	15%	\$ 30,158.57
Contingency: (% +/-)	20%	\$ 40,211.43
Estimated Project Cost:	\$	269,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	129
Medium	355
Low	3,093
Compliant	1,575
Total	5,153

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (B) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,345	SY	\$ 10.00	\$ 23,450.00
2	CONCRETE SIDEWALK (SD-1)	2,345	SY	\$ 80.00	\$ 187,600.00
3	REMOVAL OF PAVEMENT	306	SY	\$ 10.00	\$ 3,060.00
4	CONCRETE DRIVEWAY	51	CY	\$ 500.00	\$ 25,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	239,610.00
Engineering: (% +/-)	15%	\$ 36,167.14
Contingency: (% +/-)	20%	\$ 48,222.86
Estimated Project Cost:	\$	324,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	173
Medium	1,757
Low	2,409
Compliant	808
Total	5,147

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (B) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,199	SY	\$ 10.00	\$ 11,990.00
2	CONCRETE SIDEWALK (SD-1)	1,338	SY	\$ 80.00	\$ 107,040.00
3	REMOVAL OF PAVEMENT	373	SY	\$ 10.00	\$ 3,730.00
4	CONCRETE DRIVEWAY	63	CY	\$ 500.00	\$ 31,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	154,260.00
Engineering: (% +/-)	15%	\$ 23,460.00
Contingency: (% +/-)	20%	\$ 31,280.00
Estimated Project Cost:	\$	209,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	100
Medium	388
Low	2,325
Compliant	2,339
Total	5,152

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (C) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,026	SY	\$ 10.00	\$ 20,260.00
2	CONCRETE SIDEWALK (SD-1)	2,026	SY	\$ 80.00	\$ 162,080.00
3	REMOVAL OF PAVEMENT	356	SY	\$ 10.00	\$ 3,560.00
4	CONCRETE DRIVEWAY	60	CY	\$ 500.00	\$ 30,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	216,400.00
Engineering: (% +/-)	15%	\$ 32,828.57
Contingency: (% +/-)	20%	\$ 43,771.43
Estimated Project Cost:	\$	293,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	257
Medium	822
Low	2,512
Compliant	1,561
Total	5,152

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (C) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,146	SY	\$ 10.00	\$ 21,460.00
2	CONCRETE SIDEWALK (SD-1)	2,146	SY	\$ 80.00	\$ 171,680.00
3	REMOVAL OF PAVEMENT	365	SY	\$ 10.00	\$ 3,650.00
4	CONCRETE DRIVEWAY	61	CY	\$ 500.00	\$ 30,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,290.00
Engineering: (% +/-)	15%	\$ 34,161.43
Contingency: (% +/-)	20%	\$ 45,548.57
Estimated Project Cost:	\$	307,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	206
Medium	1,084
Low	2,670
Compliant	1,193
Total	5,153

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (D) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	971	SY	\$ 10.00	\$ 9,710.00
2	CONCRETE SIDEWALK (SD-1)	971	SY	\$ 80.00	\$ 77,680.00
3	REMOVAL OF PAVEMENT	406	SY	\$ 10.00	\$ 4,060.00
4	CONCRETE DRIVEWAY	68	CY	\$ 500.00	\$ 34,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	125,950.00
Engineering: (% +/-)	15%	\$ 19,307.14
Contingency: (% +/-)	20%	\$ 25,742.86
Estimated Project Cost:	\$	171,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	345
Medium	482
Low	1,633
Compliant	2,713
Total	5,173

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (D) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,144	SY	\$ 10.00	\$ 11,440.00
2	CONCRETE SIDEWALK (SD-1)	1,144	SY	\$ 80.00	\$ 91,520.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	115,240.00
Engineering: (% +/-)	15%	\$ 17,468.57
Contingency: (% +/-)	20%	\$ 23,291.43
Estimated Project Cost:	\$	156,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	292
Medium	513
Low	1,860
Compliant	2,493
Total	5,158

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (E) (11th to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,117	SY	\$ 10.00	\$ 11,170.00
2	CONCRETE SIDEWALK (SD-1)	1,117	SY	\$ 80.00	\$ 89,360.00
3	REMOVAL OF PAVEMENT	287	SY	\$ 10.00	\$ 2,870.00
4	CONCRETE DRIVEWAY	48	CY	\$ 500.00	\$ 24,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	127,400.00
Engineering: (% +/-)	15%	\$ 19,114.29
Contingency: (% +/-)	20%	\$ 25,485.71
Estimated Project Cost:	\$	172,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	290
Medium	1,102
Low	1,108
Compliant	1,991
Total	4,491

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (E) (11th to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	861	SY	\$ 10.00	\$ 8,610.00
2	CONCRETE SIDEWALK (SD-1)	861	SY	\$ 80.00	\$ 68,880.00
3	REMOVAL OF PAVEMENT	312	SY	\$ 10.00	\$ 3,120.00
4	CONCRETE DRIVEWAY	52	CY	\$ 500.00	\$ 26,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	106,610.00
Engineering: (% +/-)	15%	\$ 16,024.29
Contingency: (% +/-)	20%	\$ 21,365.71
Estimated Project Cost:	\$	144,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	348
Medium	565
Low	1,234
Compliant	2,348
Total	4,494

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (F) (Admiral to Brady) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	140	SY	\$ 10.00	\$ 1,400.00
2	CONCRETE SIDEWALK (SD-1)	140	SY	\$ 80.00	\$ 11,200.00
3	REMOVAL OF PAVEMENT	45	SY	\$ 10.00	\$ 450.00
4	CONCRETE DRIVEWAY	8	CY	\$ 500.00	\$ 4,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	17,050.00
Engineering: (% +/-)	15%	\$ 2,978.57
Contingency: (% +/-)	20%	\$ 3,971.43
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	67
Medium	172
Low	90
Compliant	331
Total	660

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 129th East Avenue (F) (Admiral to Brady) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	176	SY	\$ 10.00	\$ 1,760.00
2	CONCRETE SIDEWALK (SD-1)	231	SY	\$ 80.00	\$ 18,480.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	20,240.00
Engineering: (% +/-)	15%	\$ 3,325.71
Contingency: (% +/-)	20%	\$ 4,434.29
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	5
Medium	0
Low	472
Compliant	537
Total	1,014

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 13th Street (Boston to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,020	SY	\$ 10.00	\$ 10,200.00
2	CONCRETE SIDEWALK (SD-1)	1,020	SY	\$ 80.00	\$ 81,600.00
3	REMOVAL OF PAVEMENT	395	SY	\$ 10.00	\$ 3,950.00
4	CONCRETE DRIVEWAY	66	CY	\$ 500.00	\$ 33,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	128,750.00
Engineering: (% +/-)	15%	\$ 19,392.86
Contingency: (% +/-)	20%	\$ 25,857.14
Estimated Project Cost:	\$	174,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	441
Medium	203
Low	1,212
Compliant	879
Total	2,735

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 13th Street (Boston to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,120	SY	\$ 10.00	\$ 11,200.00
2	CONCRETE SIDEWALK (SD-1)	1,120	SY	\$ 80.00	\$ 89,600.00
3	REMOVAL OF PAVEMENT	117	SY	\$ 10.00	\$ 1,170.00
4	CONCRETE DRIVEWAY	20	CY	\$ 500.00	\$ 10,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	111,970.00
Engineering: (% +/-)	15%	\$ 17,155.71
Contingency: (% +/-)	20%	\$ 22,874.29
Estimated Project Cost:	\$	152,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	189
Medium	816
Low	1,015
Compliant	713
Total	2,734

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (A) (Peoria to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,659	SY	\$ 10.00	\$ 16,590.00
2	CONCRETE SIDEWALK (SD-1)	1,659	SY	\$ 80.00	\$ 132,720.00
3	REMOVAL OF PAVEMENT	910	SY	\$ 10.00	\$ 9,100.00
4	CONCRETE DRIVEWAY	152	CY	\$ 500.00	\$ 76,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	3	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	234,410.00
Engineering: (% +/-)	15%	\$ 35,395.71
Contingency: (% +/-)	20%	\$ 47,194.29
Estimated Project Cost:	\$	317,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	528
Medium	1,037
Low	1,941
Compliant	1,562
Total	5,068

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (A) (Peoria to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,056	SY	\$ 10.00	\$ 20,560.00
2	CONCRETE SIDEWALK (SD-1)	2,073	SY	\$ 80.00	\$ 165,840.00
3	REMOVAL OF PAVEMENT	802	SY	\$ 10.00	\$ 8,020.00
4	CONCRETE DRIVEWAY	134	CY	\$ 500.00	\$ 67,000.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	5	LS	\$ 500.00	\$ 2,500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	1	LS	\$ -	\$ -
10	HANDRAIL	60	LF	\$ 75.00	\$ 4,500.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	271,420.00
Engineering: (% +/-)	15%	\$ 40,962.86
Contingency: (% +/-)	20%	\$ 54,617.14
Estimated Project Cost:	\$	367,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	545
Medium	954
Low	2,485
Compliant	1,173
Total	5,156

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (B) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,785	SY	\$ 10.00	\$ 17,850.00
2	CONCRETE SIDEWALK (SD-1)	1,793	SY	\$ 80.00	\$ 143,440.00
3	REMOVAL OF PAVEMENT	950	SY	\$ 10.00	\$ 9,500.00
4	CONCRETE DRIVEWAY	159	CY	\$ 500.00	\$ 79,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	5	LS	\$ 500.00	\$ 2,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	252,790.00
Engineering: (% +/-)	15%	\$ 38,232.86
Contingency: (% +/-)	20%	\$ 50,977.14
Estimated Project Cost:	\$	342,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,058
Medium	529
Low	1,854
Compliant	1,777
Total	5,218

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (B) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,355	SY	\$ 10.00	\$ 13,550.00
2	CONCRETE SIDEWALK (SD-1)	1,380	SY	\$ 80.00	\$ 110,400.00
3	REMOVAL OF PAVEMENT	1,623	SY	\$ 10.00	\$ 16,230.00
4	CONCRETE DRIVEWAY	271	CY	\$ 500.00	\$ 135,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	7	LS	\$ 500.00	\$ 3,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	7	LS	\$ 500.00	\$ 3,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	282,680.00
Engineering: (% +/-)	15%	\$ 42,565.71
Contingency: (% +/-)	20%	\$ 56,754.29
Estimated Project Cost:	\$	382,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,263
Medium	857
Low	1,476
Compliant	1,631
Total	5,227

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (C) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,183	SY	\$ 10.00	\$ 21,830.00
2	CONCRETE SIDEWALK (SD-1)	2,183	SY	\$ 80.00	\$ 174,640.00
3	REMOVAL OF PAVEMENT	228	SY	\$ 10.00	\$ 2,280.00
4	CONCRETE DRIVEWAY	38	CY	\$ 500.00	\$ 19,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	219,750.00
Engineering: (% +/-)	15%	\$ 33,107.14
Contingency: (% +/-)	20%	\$ 44,142.86
Estimated Project Cost:	\$	297,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	103
Medium	505
Low	2,567
Compliant	2,007
Total	5,181

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (C) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,751	SY	\$ 10.00	\$ 27,510.00
2	CONCRETE SIDEWALK (SD-1)	2,767	SY	\$ 80.00	\$ 221,360.00
3	REMOVAL OF PAVEMENT	145	SY	\$ 10.00	\$ 1,450.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	262,820.00
Engineering: (% +/-)	15%	\$ 39,505.71
Contingency: (% +/-)	20%	\$ 52,674.29
Estimated Project Cost:	\$	355,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	173
Medium	889
Low	2,367
Compliant	1,755
Total	5,184

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (D) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,645	SY	\$ 10.00	\$ 16,450.00
2	CONCRETE SIDEWALK (SD-1)	1,654	SY	\$ 80.00	\$ 132,320.00
3	REMOVAL OF PAVEMENT	1,110	SY	\$ 10.00	\$ 11,100.00
4	CONCRETE DRIVEWAY	185	CY	\$ 500.00	\$ 92,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	253,370.00
Engineering: (% +/-)	15%	\$ 38,412.86
Contingency: (% +/-)	20%	\$ 51,217.14
Estimated Project Cost:	\$	343,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	734
Medium	598
Low	2,271
Compliant	1,619
Total	5,222

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (D) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	400	SY	\$ 10.00	\$ 4,000.00
2	CONCRETE SIDEWALK (SD-1)	2,494	SY	\$ 80.00	\$ 199,520.00
3	REMOVAL OF PAVEMENT	189	SY	\$ 10.00	\$ 1,890.00
4	CONCRETE DRIVEWAY	32	CY	\$ 500.00	\$ 16,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	221,910.00
Engineering: (% +/-)	15%	\$ 33,467.14
Contingency: (% +/-)	20%	\$ 44,622.86
Estimated Project Cost:	\$	300,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	27
Medium	249
Low	4,411
Compliant	514
Total	5,201

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (E) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,314	SY	\$ 10.00	\$ 13,140.00
2	CONCRETE SIDEWALK (SD-1)	2,015	SY	\$ 80.00	\$ 161,200.00
3	REMOVAL OF PAVEMENT	408	SY	\$ 10.00	\$ 4,080.00
4	CONCRETE DRIVEWAY	68	CY	\$ 500.00	\$ 34,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	212,420.00
Engineering: (% +/-)	15%	\$ 31,962.86
Contingency: (% +/-)	20%	\$ 42,617.14
Estimated Project Cost:	\$	287,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	379
Medium	695
Low	2,877
Compliant	1,264
Total	5,215

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street South (E) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	440	SY	\$ 10.00	\$ 4,400.00
2	CONCRETE SIDEWALK (SD-1)	2,545	SY	\$ 80.00	\$ 203,600.00
3	REMOVAL OF PAVEMENT	195	SY	\$ 10.00	\$ 1,950.00
4	CONCRETE DRIVEWAY	33	CY	\$ 500.00	\$ 16,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,950.00
Engineering: (% +/-)	15%	\$ 34,307.14
Contingency: (% +/-)	20%	\$ 45,742.86
Estimated Project Cost:	\$	307,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	147
Medium	406
Low	4,261
Compliant	448
Total	5,262

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street (F) (Peoria to Denver) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,350	SY	\$ 10.00	\$ 23,500.00
2	CONCRETE SIDEWALK (SD-1)	2,350	SY	\$ 80.00	\$ 188,000.00
3	REMOVAL OF PAVEMENT	306	SY	\$ 10.00	\$ 3,060.00
4	CONCRETE DRIVEWAY	51	CY	\$ 500.00	\$ 25,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	240,060.00
Engineering: (% +/-)	15%	\$ 36,402.86
Contingency: (% +/-)	20%	\$ 48,537.14
Estimated Project Cost:	\$	325,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	232
Medium	1,246
Low	2,376
Compliant	1,053
Total	4,907

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 15th Street (F) (Peoria to Denver) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,047	SY	\$ 10.00	\$ 10,470.00
2	CONCRETE SIDEWALK (SD-1)	1,047	SY	\$ 80.00	\$ 83,760.00
3	REMOVAL OF PAVEMENT	862	SY	\$ 10.00	\$ 8,620.00
4	CONCRETE DRIVEWAY	144	CY	\$ 500.00	\$ 72,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	174,850.00
Engineering: (% +/-)	15%	\$ 26,635.71
Contingency: (% +/-)	20%	\$ 35,514.29
Estimated Project Cost:	\$	237,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	492
Medium	522
Low	1,493
Compliant	2,390
Total	4,896

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061277900	Date: 7/24/2012 Prepared By: EPE Checked By: SRA
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Corridor: 1st Street (Guthrie to Frisco) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,360	SY	\$ 10.00	\$ 23,600.00
2	CONCRETE SIDEWALK (SD-1)	2,460	SY	\$ 80.00	\$ 196,800.00
3	REMOVAL OF PAVEMENT	734	SY	\$ 10.00	\$ 7,340.00
4	CONCRETE DRIVEWAY	123	CY	\$ 500.00	\$ 61,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection <input checked="" type="checkbox"/> No Design Completed <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 289,240.00 Engineering: (% +/-) 15% \$ 43,611.43 Contingency:(% +/-) 20% \$ 58,148.57 Estimated Project Cost: \$ 391,000.00
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	621
Medium	491
Low	1,857
Compliant	2,177
Total	5,146

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 1st Street (Guthrie to Frisco) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,271	SY	\$ 10.00	\$ 22,710.00
2	CONCRETE SIDEWALK (SD-1)	2,271	SY	\$ 80.00	\$ 181,680.00
3	REMOVAL OF PAVEMENT	423	SY	\$ 10.00	\$ 4,230.00
4	CONCRETE DRIVEWAY	71	CY	\$ 500.00	\$ 35,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	244,120.00
Engineering: (% +/-)	15%	\$ 36,805.71
Contingency: (% +/-)	20%	\$ 49,074.29
Estimated Project Cost:	\$	330,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	77
Medium	367
Low	2,024
Compliant	2,406
Total	4,875

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (A) (Union to Southwest) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	208	SY	\$ 10.00	\$ 2,080.00
2	CONCRETE SIDEWALK (SD-1)	208	SY	\$ 80.00	\$ 16,640.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	19,220.00
Engineering: (% +/-)	15%	\$ 2,905.71
Contingency: (% +/-)	20%	\$ 3,874.29
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	85
Medium	56
Low	307
Compliant	1,020
Total	1,469

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (A) (Union to Southwest) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	121	SY	\$ 10.00	\$ 1,210.00
2	CONCRETE SIDEWALK (SD-1)	121	SY	\$ 80.00	\$ 9,680.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	10,890.00
Engineering: (% +/-)	15%	\$ 1,761.43
Contingency: (% +/-)	20%	\$ 2,348.57
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	69
Medium	199
Low	87
Compliant	1,116
Total	1,471

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (B) (Southwest to Main) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,123	SY	\$ 10.00	\$ 11,230.00
2	CONCRETE SIDEWALK (SD-1)	1,140	SY	\$ 80.00	\$ 91,200.00
3	REMOVAL OF PAVEMENT	262	SY	\$ 10.00	\$ 2,620.00
4	CONCRETE DRIVEWAY	44	CY	\$ 500.00	\$ 22,000.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	129,050.00
Engineering: (% +/-)	15%	\$ 19,692.86
Contingency: (% +/-)	20%	\$ 26,257.14
Estimated Project Cost:	\$	175,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	314
Medium	473
Low	1,553
Compliant	3,815
Total	6,155

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (B) (Southwest to Main) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,349	SY	\$ 10.00	\$ 23,490.00
2	CONCRETE SIDEWALK (SD-1)	2,357	SY	\$ 80.00	\$ 188,560.00
3	REMOVAL OF PAVEMENT	478	SY	\$ 10.00	\$ 4,780.00
4	CONCRETE DRIVEWAY	80	CY	\$ 500.00	\$ 40,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	257,330.00
Engineering: (% +/-)	15%	\$ 38,858.57
Contingency: (% +/-)	20%	\$ 51,811.43
Estimated Project Cost:	\$	348,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	339
Medium	731
Low	2,554
Compliant	2,400
Total	6,024

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (C) (Main to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,268	SY	\$ 10.00	\$ 12,680.00
2	CONCRETE SIDEWALK (SD-1)	1,310	SY	\$ 80.00	\$ 104,800.00
3	REMOVAL OF PAVEMENT	389	SY	\$ 10.00	\$ 3,890.00
4	CONCRETE DRIVEWAY	65	CY	\$ 500.00	\$ 32,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	154,870.00
Engineering: (% +/-)	15%	\$ 23,627.14
Contingency: (% +/-)	20%	\$ 31,502.86
Estimated Project Cost:	\$	210,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	603
Medium	722
Low	1,277
Compliant	964
Total	3,566

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (C) (Main to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,217	SY	\$ 10.00	\$ 12,170.00
2	CONCRETE SIDEWALK (SD-1)	1,242	SY	\$ 80.00	\$ 99,360.00
3	REMOVAL OF PAVEMENT	603	SY	\$ 10.00	\$ 6,030.00
4	CONCRETE DRIVEWAY	101	CY	\$ 500.00	\$ 50,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	168,560.00
Engineering: (% +/-)	15%	\$ 25,474.29
Contingency: (% +/-)	20%	\$ 33,965.71
Estimated Project Cost:	\$	228,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	676
Medium	957
Low	1,075
Compliant	738
Total	3,446

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (D) (Peoria to Utica) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	789	SY	\$ 10.00	\$ 7,890.00
2	CONCRETE SIDEWALK (SD-1)	789	SY	\$ 80.00	\$ 63,120.00
3	REMOVAL OF PAVEMENT	326	SY	\$ 10.00	\$ 3,260.00
4	CONCRETE DRIVEWAY	55	CY	\$ 500.00	\$ 27,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	102,270.00
Engineering: (% +/-)	15%	\$ 15,741.43
Contingency: (% +/-)	20%	\$ 20,988.57
Estimated Project Cost:	\$	139,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	281
Medium	631
Low	797
Compliant	684
Total	2,393

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (D) (Peoria to Utica) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,109	SY	\$ 10.00	\$ 11,090.00
2	CONCRETE SIDEWALK (SD-1)	1,109	SY	\$ 80.00	\$ 88,720.00
3	REMOVAL OF PAVEMENT	189	SY	\$ 10.00	\$ 1,890.00
4	CONCRETE DRIVEWAY	32	CY	\$ 500.00	\$ 16,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	117,700.00
Engineering: (% +/-)	15%	\$ 17,700.00
Contingency: (% +/-)	20%	\$ 23,600.00
Estimated Project Cost:	\$	159,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	157
Medium	391
Low	1,155
Compliant	692
Total	2,395

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (E) (Utica to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	496	SY	\$ 10.00	\$ 4,960.00
2	CONCRETE SIDEWALK (SD-1)	496	SY	\$ 80.00	\$ 39,680.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	44,640.00
Engineering: (% +/-)	15%	\$ 7,011.43
Contingency: (% +/-)	20%	\$ 9,348.57
Estimated Project Cost:	\$	61,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	78
Medium	99
Low	497
Compliant	1,864
Total	2,538

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (E) (Utica to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	787	SY	\$ 10.00	\$ 7,870.00
2	CONCRETE SIDEWALK (SD-1)	866	SY	\$ 80.00	\$ 69,280.00
3	REMOVAL OF PAVEMENT	177	SY	\$ 10.00	\$ 1,770.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	95,420.00
Engineering: (% +/-)	15%	\$ 14,391.43
Contingency: (% +/-)	20%	\$ 19,188.57
Estimated Project Cost:	\$	129,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	196
Medium	543
Low	1,183
Compliant	598
Total	2,519

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (F) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,828	SY	\$ 10.00	\$ 18,280.00
2	CONCRETE SIDEWALK (SD-1)	1,828	SY	\$ 80.00	\$ 146,240.00
3	REMOVAL OF PAVEMENT	669	SY	\$ 10.00	\$ 6,690.00
4	CONCRETE DRIVEWAY	112	CY	\$ 500.00	\$ 56,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,710.00
Engineering: (% +/-)	15%	\$ 34,410.00
Contingency: (% +/-)	20%	\$ 45,880.00
Estimated Project Cost:	\$	308,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	683
Medium	1,138
Low	2,058
Compliant	1,427
Total	5,307

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (F) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,167	SY	\$ 10.00	\$ 11,670.00
2	CONCRETE SIDEWALK (SD-1)	1,181	SY	\$ 80.00	\$ 94,480.00
3	REMOVAL OF PAVEMENT	696	SY	\$ 10.00	\$ 6,960.00
4	CONCRETE DRIVEWAY	116	CY	\$ 500.00	\$ 58,000.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	174,110.00
Engineering: (% +/-)	15%	\$ 26,524.29
Contingency: (% +/-)	20%	\$ 35,365.71
Estimated Project Cost:	\$	236,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	582
Medium	1,004
Low	1,432
Compliant	2,204
Total	5,222

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (G) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,156	SY	\$ 10.00	\$ 21,560.00
2	CONCRETE SIDEWALK (SD-1)	2,156	SY	\$ 80.00	\$ 172,480.00
3	REMOVAL OF PAVEMENT	236	SY	\$ 10.00	\$ 2,360.00
4	CONCRETE DRIVEWAY	40	CY	\$ 500.00	\$ 20,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	216,400.00
Engineering: (% +/-)	15%	\$ 32,828.57
Contingency: (% +/-)	20%	\$ 43,771.43
Estimated Project Cost:	\$	293,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	297
Medium	502
Low	2,118
Compliant	2,237
Total	5,155

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (G) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,920	SY	\$ 10.00	\$ 19,200.00
2	CONCRETE SIDEWALK (SD-1)	1,920	SY	\$ 80.00	\$ 153,600.00
3	REMOVAL OF PAVEMENT	306	SY	\$ 10.00	\$ 3,060.00
4	CONCRETE DRIVEWAY	51	CY	\$ 500.00	\$ 25,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	202,860.00
Engineering: (% +/-)	15%	\$ 30,488.57
Contingency: (% +/-)	20%	\$ 40,651.43
Estimated Project Cost:	\$	274,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	636
Medium	940
Low	1,636
Compliant	1,975
Total	5,188

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (H) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	57	SY	\$ 10.00	\$ 570.00
2	CONCRETE SIDEWALK (SD-1)	2,605	SY	\$ 80.00	\$ 208,400.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	208,970.00
Engineering: (% +/-)	15%	\$ 31,727.14
Contingency: (% +/-)	20%	\$ 42,302.86
Estimated Project Cost:	\$	283,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,688
Compliant	515
Total	5,202

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (H) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	165	SY	\$ 10.00	\$ 1,650.00
2	CONCRETE SIDEWALK (SD-1)	2,648	SY	\$ 80.00	\$ 211,840.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	225,770.00
Engineering: (% +/-)	15%	\$ 33,955.71
Contingency: (% +/-)	20%	\$ 45,274.29
Estimated Project Cost:	\$	305,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	134
Medium	42
Low	4,694
Compliant	322
Total	5,192

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (I) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	930	SY	\$ 10.00	\$ 9,300.00
2	CONCRETE SIDEWALK (SD-1)	930	SY	\$ 80.00	\$ 74,400.00
3	REMOVAL OF PAVEMENT	598	SY	\$ 10.00	\$ 5,980.00
4	CONCRETE DRIVEWAY	100	CY	\$ 500.00	\$ 50,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	139,680.00
Engineering: (% +/-)	15%	\$ 21,137.14
Contingency: (% +/-)	20%	\$ 28,182.86
Estimated Project Cost:	\$	189,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	177
Medium	905
Low	1,447
Compliant	2,649
Total	5,178

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (I) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,364	SY	\$ 10.00	\$ 13,640.00
2	CONCRETE SIDEWALK (SD-1)	1,364	SY	\$ 80.00	\$ 109,120.00
3	REMOVAL OF PAVEMENT	684	SY	\$ 10.00	\$ 6,840.00
4	CONCRETE DRIVEWAY	114	CY	\$ 500.00	\$ 57,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	187,600.00
Engineering: (% +/-)	15%	\$ 28,457.14
Contingency: (% +/-)	20%	\$ 37,942.86
Estimated Project Cost:	\$	254,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	704
Medium	590
Low	1,836
Compliant	2,064
Total	5,194

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (J) (Memorial to Skelly) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,469	SY	\$ 10.00	\$ 14,690.00
2	CONCRETE SIDEWALK (SD-1)	1,472	SY	\$ 80.00	\$ 117,760.00
3	REMOVAL OF PAVEMENT	512	SY	\$ 10.00	\$ 5,120.00
4	CONCRETE DRIVEWAY	86	CY	\$ 500.00	\$ 43,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	180,570.00
Engineering: (% +/-)	15%	\$ 27,184.29
Contingency: (% +/-)	20%	\$ 36,245.71
Estimated Project Cost:	\$	244,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	664
Medium	976
Low	1,668
Compliant	1,816
Total	5,123

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (J) (Memorial to Skelly) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	847	SY	\$ 10.00	\$ 8,470.00
2	CONCRETE SIDEWALK (SD-1)	847	SY	\$ 80.00	\$ 67,760.00
3	REMOVAL OF PAVEMENT	278	SY	\$ 10.00	\$ 2,780.00
4	CONCRETE DRIVEWAY	47	CY	\$ 500.00	\$ 23,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	102,510.00
Engineering: (% +/-)	15%	\$ 15,638.57
Contingency: (% +/-)	20%	\$ 20,851.43
Estimated Project Cost:	\$	139,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	581
Medium	167
Low	1,241
Compliant	3,131
Total	5,120

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (K) (Skelly to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,442	SY	\$ 10.00	\$ 14,420.00
2	CONCRETE SIDEWALK (SD-1)	1,886	SY	\$ 80.00	\$ 150,880.00
3	REMOVAL OF PAVEMENT	278	SY	\$ 10.00	\$ 2,780.00
4	CONCRETE DRIVEWAY	47	CY	\$ 500.00	\$ 23,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	191,580.00
Engineering: (% +/-)	15%	\$ 28,894.29
Contingency: (% +/-)	20%	\$ 38,525.71
Estimated Project Cost:	\$	259,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	246
Medium	1,065
Low	2,085
Compliant	1,724
Total	5,120

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (K) (Skelly to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,437	SY	\$ 10.00	\$ 14,370.00
2	CONCRETE SIDEWALK (SD-1)	1,887	SY	\$ 80.00	\$ 150,960.00
3	REMOVAL OF PAVEMENT	312	SY	\$ 10.00	\$ 3,120.00
4	CONCRETE DRIVEWAY	52	CY	\$ 500.00	\$ 26,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	194,450.00
Engineering: (% +/-)	15%	\$ 29,378.57
Contingency: (% +/-)	20%	\$ 39,171.43
Estimated Project Cost:	\$	263,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	386
Medium	624
Low	2,676
Compliant	1,598
Total	5,283

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (L) (Garnett to 129th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,276	SY	\$ 10.00	\$ 12,760.00
2	CONCRETE SIDEWALK (SD-1)	1,526	SY	\$ 80.00	\$ 122,080.00
3	REMOVAL OF PAVEMENT	234	SY	\$ 10.00	\$ 2,340.00
4	CONCRETE DRIVEWAY	39	CY	\$ 500.00	\$ 19,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	156,680.00
Engineering: (% +/-)	15%	\$ 23,708.57
Contingency: (% +/-)	20%	\$ 31,611.43
Estimated Project Cost:	\$	212,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	276
Medium	863
Low	2,166
Compliant	1,842
Total	5,146

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (L) (Garnett to 129th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,261	SY	\$ 10.00	\$ 12,610.00
2	CONCRETE SIDEWALK (SD-1)	1,478	SY	\$ 80.00	\$ 118,240.00
3	REMOVAL OF PAVEMENT	439	SY	\$ 10.00	\$ 4,390.00
4	CONCRETE DRIVEWAY	74	CY	\$ 500.00	\$ 37,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	7	LS	\$ 500.00	\$ 3,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	175,740.00
Engineering: (% +/-)	15%	\$ 26,682.86
Contingency: (% +/-)	20%	\$ 35,577.14
Estimated Project Cost:	\$	238,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	217
Medium	1,112
Low	1,885
Compliant	1,950
Total	5,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (M) (129th to 145th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	965	SY	\$ 10.00	\$ 9,650.00
2	CONCRETE SIDEWALK (SD-1)	2,222	SY	\$ 80.00	\$ 177,760.00
3	REMOVAL OF PAVEMENT	117	SY	\$ 10.00	\$ 1,170.00
4	CONCRETE DRIVEWAY	20	CY	\$ 500.00	\$ 10,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	198,580.00
Engineering: (% +/-)	15%	\$ 30,180.00
Contingency: (% +/-)	20%	\$ 40,240.00
Estimated Project Cost:	\$	269,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	190
Medium	574
Low	3,651
Compliant	751
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 21st Street South (M) (129th to 145th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	524	SY	\$ 10.00	\$ 5,240.00
2	CONCRETE SIDEWALK (SD-1)	1,805	SY	\$ 80.00	\$ 144,400.00
3	REMOVAL OF PAVEMENT	200	SY	\$ 10.00	\$ 2,000.00
4	CONCRETE DRIVEWAY	34	CY	\$ 500.00	\$ 17,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	168,640.00
Engineering: (% +/-)	15%	\$ 25,440.00
Contingency: (% +/-)	20%	\$ 33,920.00
Estimated Project Cost:	\$	228,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	328
Low	3,091
Compliant	1,731
Total	5,150

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 25th West Avenue (A) (Charge Page to Newblock Park Trail) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	439	SY	\$ 80.00	\$ 35,120.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	35,120.00
Engineering: (% +/-)	15%	\$ 5,520.00
Contingency: (% +/-)	20%	\$ 7,360.00
Estimated Project Cost:	\$	48,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	789
Compliant	0
Total	789

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 25th West Avenue (A) (Charge Page to Newblock Park Trail) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	443	SY	\$ 80.00	\$ 35,440.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	35,440.00
Engineering: (% +/-)	15%	\$ 5,382.86
Contingency: (% +/-)	20%	\$ 7,177.14
Estimated Project Cost:	\$	48,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	797
Compliant	0
Total	797

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 25th West Avenue (Newblock Park Trail to Independence) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	418	SY	\$ 10.00	\$ 4,180.00
2	CONCRETE SIDEWALK (SD-1)	2,055	SY	\$ 80.00	\$ 164,400.00
3	REMOVAL OF PAVEMENT	89	SY	\$ 10.00	\$ 890.00
4	CONCRETE DRIVEWAY	15	CY	\$ 500.00	\$ 7,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	177,470.00
Engineering: (% +/-)	15%	\$ 26,798.57
Contingency: (% +/-)	20%	\$ 35,731.43
Estimated Project Cost:	\$	240,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	98
Medium	108
Low	3,522
Compliant	244
Total	3,972

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 25th West Avenue (Newblock Park Trail to Independence) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	184	SY	\$ 10.00	\$ 1,840.00
2	CONCRETE SIDEWALK (SD-1)	2,039	SY	\$ 80.00	\$ 163,120.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	164,960.00
Engineering: (% +/-)	15%	\$ 24,874.29
Contingency: (% +/-)	20%	\$ 33,165.71
Estimated Project Cost:	\$	223,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	133
Medium	0
Low	3,549
Compliant	871
Total	4,553

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 2nd Street (A) (Frisco to Heavy Traffic) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	40	SY	\$ 10.00	\$ 400.00
2	CONCRETE SIDEWALK (SD-1)	40	SY	\$ 80.00	\$ 3,200.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,600.00
Engineering: (% +/-)	15%	\$ 600.00
Contingency: (% +/-)	20%	\$ 800.00
Estimated Project Cost:	\$	5,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	44
Compliant	148
Total	192

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 2nd Street (A) (Frisco to Heavy Traffic) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	46	SY	\$ 10.00	\$ 460.00
2	CONCRETE SIDEWALK (SD-1)	140	SY	\$ 80.00	\$ 11,200.00
3	REMOVAL OF PAVEMENT	99	SY	\$ 10.00	\$ 990.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	21,150.00
Engineering: (% +/-)	15%	\$ 3,364.29
Contingency: (% +/-)	20%	\$ 4,485.71
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	93
Medium	12
Low	235
Compliant	310
Total	650

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 2nd Street (B) (Lansing to Denver) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,011	SY	\$ 10.00	\$ 20,110.00
2	CONCRETE SIDEWALK (SD-1)	2,028	SY	\$ 80.00	\$ 162,240.00
3	REMOVAL OF PAVEMENT	428	SY	\$ 10.00	\$ 4,280.00
4	CONCRETE DRIVEWAY	72	CY	\$ 500.00	\$ 36,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	222,630.00
Engineering: (% +/-)	15%	\$ 33,587.14
Contingency: (% +/-)	20%	\$ 44,782.86
Estimated Project Cost:	\$	301,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	343
Medium	330
Low	1,510
Compliant	2,245
Total	4,428

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 2nd Street (B) (Lansing to Denver) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,764	SY	\$ 10.00	\$ 17,640.00
2	CONCRETE SIDEWALK (SD-1)	1,764	SY	\$ 80.00	\$ 141,120.00
3	REMOVAL OF PAVEMENT	445	SY	\$ 10.00	\$ 4,450.00
4	CONCRETE DRIVEWAY	75	CY	\$ 500.00	\$ 37,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	200,710.00
Engineering: (% +/-)	15%	\$ 30,124.29
Contingency: (% +/-)	20%	\$ 40,165.71
Estimated Project Cost:	\$	271,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	272
Medium	165
Low	1,460
Compliant	1,816
Total	3,712

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (B) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	188	SY	\$ 10.00	\$ 1,880.00
2	CONCRETE SIDEWALK (SD-1)	2,651	SY	\$ 80.00	\$ 212,080.00
3	REMOVAL OF PAVEMENT	173	SY	\$ 10.00	\$ 1,730.00
4	CONCRETE DRIVEWAY	29	CY	\$ 500.00	\$ 14,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,690.00
Engineering: (% +/-)	15%	\$ 34,847.14
Contingency: (% +/-)	20%	\$ 46,462.86
Estimated Project Cost:	\$	312,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	218
Medium	73
Low	4,545
Compliant	332
Total	5,168

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (B) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	291	SY	\$ 10.00	\$ 2,910.00
2	CONCRETE SIDEWALK (SD-1)	2,219	SY	\$ 80.00	\$ 177,520.00
3	REMOVAL OF PAVEMENT	517	SY	\$ 10.00	\$ 5,170.00
4	CONCRETE DRIVEWAY	87	CY	\$ 500.00	\$ 43,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,100.00
Engineering: (% +/-)	15%	\$ 34,671.43
Contingency: (% +/-)	20%	\$ 46,228.57
Estimated Project Cost:	\$	310,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	375
Medium	277
Low	3,704
Compliant	808
Total	5,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (C) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	376	SY	\$ 10.00	\$ 3,760.00
2	CONCRETE SIDEWALK (SD-1)	2,444	SY	\$ 80.00	\$ 195,520.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	7	LS	\$ 500.00	\$ 3,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	206,060.00
Engineering: (% +/-)	15%	\$ 31,260.00
Contingency: (% +/-)	20%	\$ 41,680.00
Estimated Project Cost:	\$	279,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	172
Medium	252
Low	3,989
Compliant	749
Total	5,162

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (C) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	67	SY	\$ 10.00	\$ 670.00
2	CONCRETE SIDEWALK (SD-1)	2,846	SY	\$ 80.00	\$ 227,680.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,350.00
Engineering: (% +/-)	15%	\$ 34,564.29
Contingency: (% +/-)	20%	\$ 46,085.71
Estimated Project Cost:	\$	309,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	84
Low	5,067
Compliant	0
Total	5,151

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (D) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,659	SY	\$ 10.00	\$ 16,590.00
2	CONCRETE SIDEWALK (SD-1)	1,659	SY	\$ 80.00	\$ 132,720.00
3	REMOVAL OF PAVEMENT	217	SY	\$ 10.00	\$ 2,170.00
4	CONCRETE DRIVEWAY	37	CY	\$ 500.00	\$ 18,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	170,480.00
Engineering: (% +/-)	15%	\$ 25,937.14
Contingency: (% +/-)	20%	\$ 34,582.86
Estimated Project Cost:	\$	231,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	341
Medium	640
Low	2,104
Compliant	2,138
Total	5,224

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (D) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	404	SY	\$ 10.00	\$ 4,040.00
2	CONCRETE SIDEWALK (SD-1)	2,690	SY	\$ 80.00	\$ 215,200.00
3	REMOVAL OF PAVEMENT	62	SY	\$ 10.00	\$ 620.00
4	CONCRETE DRIVEWAY	11	CY	\$ 500.00	\$ 5,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	225,860.00
Engineering: (% +/-)	15%	\$ 33,917.14
Contingency: (% +/-)	20%	\$ 45,222.86
Estimated Project Cost:	\$	305,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	40
Medium	187
Low	4,422
Compliant	533
Total	5,182

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (E) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,840	SY	\$ 10.00	\$ 18,400.00
2	CONCRETE SIDEWALK (SD-1)	1,840	SY	\$ 80.00	\$ 147,200.00
3	REMOVAL OF PAVEMENT	534	SY	\$ 10.00	\$ 5,340.00
4	CONCRETE DRIVEWAY	89	CY	\$ 500.00	\$ 44,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	6	LS	\$ 500.00	\$ 3,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	218,440.00
Engineering: (% +/-)	15%	\$ 32,811.43
Contingency: (% +/-)	20%	\$ 43,748.57
Estimated Project Cost:	\$	295,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	784
Medium	1,304
Low	1,468
Compliant	1,606
Total	5,163

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (E) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	969	SY	\$ 10.00	\$ 9,690.00
2	CONCRETE SIDEWALK (SD-1)	2,452	SY	\$ 80.00	\$ 196,160.00
3	REMOVAL OF PAVEMENT	406	SY	\$ 10.00	\$ 4,060.00
4	CONCRETE DRIVEWAY	68	CY	\$ 500.00	\$ 34,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	243,910.00
Engineering: (% +/-)	15%	\$ 36,895.71
Contingency: (% +/-)	20%	\$ 49,194.29
Estimated Project Cost:	\$	330,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	510
Medium	436
Low	3,727
Compliant	494
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (F) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	849	SY	\$ 10.00	\$ 8,490.00
2	CONCRETE SIDEWALK (SD-1)	2,543	SY	\$ 80.00	\$ 203,440.00
3	REMOVAL OF PAVEMENT	339	SY	\$ 10.00	\$ 3,390.00
4	CONCRETE DRIVEWAY	57	CY	\$ 500.00	\$ 28,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	245,320.00
Engineering: (% +/-)	15%	\$ 37,148.57
Contingency: (% +/-)	20%	\$ 49,531.43
Estimated Project Cost:	\$	332,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	578
Medium	643
Low	3,640
Compliant	202
Total	5,063

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (F) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	875	SY	\$ 10.00	\$ 8,750.00
2	CONCRETE SIDEWALK (SD-1)	2,469	SY	\$ 80.00	\$ 197,520.00
3	REMOVAL OF PAVEMENT	400	SY	\$ 10.00	\$ 4,000.00
4	CONCRETE DRIVEWAY	67	CY	\$ 500.00	\$ 33,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	243,770.00
Engineering: (% +/-)	15%	\$ 36,955.71
Contingency: (% +/-)	20%	\$ 49,274.29
Estimated Project Cost:	\$	330,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	298
Medium	800
Low	3,687
Compliant	284
Total	5,070

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (G) (Garnett to 129th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,694	SY	\$ 10.00	\$ 16,940.00
2	CONCRETE SIDEWALK (SD-1)	1,694	SY	\$ 80.00	\$ 135,520.00
3	REMOVAL OF PAVEMENT	573	SY	\$ 10.00	\$ 5,730.00
4	CONCRETE DRIVEWAY	96	CY	\$ 500.00	\$ 48,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	206,190.00
Engineering: (% +/-)	15%	\$ 31,204.29
Contingency: (% +/-)	20%	\$ 41,605.71
Estimated Project Cost:	\$	279,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	452
Medium	435
Low	2,632
Compliant	1,666
Total	5,186

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (G) (Garnett to 129th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,766	SY	\$ 10.00	\$ 17,660.00
2	CONCRETE SIDEWALK (SD-1)	1,766	SY	\$ 80.00	\$ 141,280.00
3	REMOVAL OF PAVEMENT	584	SY	\$ 10.00	\$ 5,840.00
4	CONCRETE DRIVEWAY	98	CY	\$ 500.00	\$ 49,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	214,780.00
Engineering: (% +/-)	15%	\$ 32,237.14
Contingency: (% +/-)	20%	\$ 42,982.86
Estimated Project Cost:	\$	290,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	478
Medium	680
Low	2,552
Compliant	1,430
Total	5,139

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (H) (129th to 140th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	243	SY	\$ 10.00	\$ 2,430.00
2	CONCRETE SIDEWALK (SD-1)	1,907	SY	\$ 80.00	\$ 152,560.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	160,550.00
Engineering: (% +/-)	15%	\$ 24,192.86
Contingency: (% +/-)	20%	\$ 32,257.14
Estimated Project Cost:	\$	217,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	25
Medium	25
Low	3,308
Compliant	127
Total	3,485

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (H) (129th to 140th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	217	SY	\$ 10.00	\$ 2,170.00
2	CONCRETE SIDEWALK (SD-1)	1,879	SY	\$ 80.00	\$ 150,320.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	161,990.00
Engineering: (% +/-)	15%	\$ 24,432.86
Contingency: (% +/-)	20%	\$ 32,577.14
Estimated Project Cost:	\$	219,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	279
Medium	0
Low	3,127
Compliant	67
Total	3,473

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (Riverside to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,487	SY	\$ 80.00	\$ 118,960.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	118,960.00
Engineering: (% +/-)	15%	\$ 18,017.14
Contingency: (% +/-)	20%	\$ 24,022.86
Estimated Project Cost:	\$	161,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	2,675
Compliant	0
Total	2,675

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 31st Street South (Riverside to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,484	SY	\$ 80.00	\$ 118,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	118,720.00
Engineering: (% +/-)	15%	\$ 18,120.00
Contingency: (% +/-)	20%	\$ 24,160.00
Estimated Project Cost:	\$	161,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	2,670
Compliant	0
Total	2,670

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 33rd West Avenue (A) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,520	SY	\$ 10.00	\$ 15,200.00
2	CONCRETE SIDEWALK (SD-1)	1,575	SY	\$ 80.00	\$ 126,000.00
3	REMOVAL OF PAVEMENT	476	SY	\$ 10.00	\$ 4,760.00
4	CONCRETE DRIVEWAY	80	CY	\$ 500.00	\$ 40,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	187,460.00
Engineering: (% +/-)	15%	\$ 28,517.14
Contingency: (% +/-)	20%	\$ 38,022.86
Estimated Project Cost:	\$	254,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	406
Medium	826
Low	2,074
Compliant	1,911
Total	5,216

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 33rd West Avenue (A) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	505	SY	\$ 10.00	\$ 5,050.00
2	CONCRETE SIDEWALK (SD-1)	505	SY	\$ 80.00	\$ 40,400.00
3	REMOVAL OF PAVEMENT	289	SY	\$ 10.00	\$ 2,890.00
4	CONCRETE DRIVEWAY	49	CY	\$ 500.00	\$ 24,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	74,340.00
Engineering: (% +/-)	15%	\$ 11,425.71
Contingency: (% +/-)	20%	\$ 15,234.29
Estimated Project Cost:	\$	101,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	93
Medium	272
Low	543
Compliant	4,528
Total	5,435

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 33rd West Avenue (B) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	523	SY	\$ 10.00	\$ 5,230.00
2	CONCRETE SIDEWALK (SD-1)	2,844	SY	\$ 80.00	\$ 227,520.00
3	REMOVAL OF PAVEMENT	180	SY	\$ 10.00	\$ 1,800.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	250,050.00
Engineering: (% +/-)	15%	\$ 37,692.86
Contingency: (% +/-)	20%	\$ 50,257.14
Estimated Project Cost:	\$	338,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	258
Medium	356
Low	4,561
Compliant	64
Total	5,239

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 33rd West Avenue (B) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	271	SY	\$ 10.00	\$ 2,710.00
2	CONCRETE SIDEWALK (SD-1)	2,919	SY	\$ 80.00	\$ 233,520.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	237,730.00
Engineering: (% +/-)	15%	\$ 35,687.14
Contingency: (% +/-)	20%	\$ 47,582.86
Estimated Project Cost:	\$	321,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	114
Medium	94
Low	4,875
Compliant	154
Total	5,237

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (A) (City Boundary to Cincinnati) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	273	SY	\$ 10.00	\$ 2,730.00
2	CONCRETE SIDEWALK (SD-1)	273	SY	\$ 80.00	\$ 21,840.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	34,070.00
Engineering: (% +/-)	15%	\$ 5,112.86
Contingency: (% +/-)	20%	\$ 6,817.14
Estimated Project Cost:	\$	46,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	65
Low	377
Compliant	1,851
Total	2,293

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (A) (City Boundary to Cincinnati) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	249	SY	\$ 10.00	\$ 2,490.00
2	CONCRETE SIDEWALK (SD-1)	249	SY	\$ 80.00	\$ 19,920.00
3	REMOVAL OF PAVEMENT	17	SY	\$ 10.00	\$ 170.00
4	CONCRETE DRIVEWAY	3	CY	\$ 500.00	\$ 1,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	24,080.00
Engineering: (% +/-)	15%	\$ 3,822.86
Contingency: (% +/-)	20%	\$ 5,097.14
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	52
Medium	62
Low	327
Compliant	1,859
Total	2,301

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (D) (Lewis to Delaware) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,400	SY	\$ 80.00	\$ 112,000.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	112,000.00
Engineering: (% +/-)	15%	\$ 17,142.86
Contingency: (% +/-)	20%	\$ 22,857.14
Estimated Project Cost:	\$	152,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	2,519
Compliant	0
Total	2,519

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 36th Street North (D) (Lewis to Delaware) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,392	SY	\$ 80.00	\$ 111,360.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	111,360.00
Engineering: (% +/-)	15%	\$ 16,988.57
Contingency: (% +/-)	20%	\$ 22,651.43
Estimated Project Cost:	\$	151,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	2,505
Compliant	0
Total	2,505

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 3rd Street (Lansing to Heavy Traffic) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	3,678	SY	\$ 10.00	\$ 36,780.00
2	CONCRETE SIDEWALK (SD-1)	3,678	SY	\$ 80.00	\$ 294,240.00
3	REMOVAL OF PAVEMENT	603	SY	\$ 10.00	\$ 6,030.00
4	CONCRETE DRIVEWAY	101	CY	\$ 500.00	\$ 50,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	388,550.00
Engineering: (% +/-)	15%	\$ 58,478.57
Contingency: (% +/-)	20%	\$ 77,971.43
Estimated Project Cost:	\$	525,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	290
Medium	786
Low	2,450
Compliant	2,675
Total	6,201

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 3rd Street (Lansing to Heavy Traffic) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,802	SY	\$ 10.00	\$ 28,020.00
2	CONCRETE SIDEWALK (SD-1)	2,802	SY	\$ 80.00	\$ 224,160.00
3	REMOVAL OF PAVEMENT	397	SY	\$ 10.00	\$ 3,970.00
4	CONCRETE DRIVEWAY	67	CY	\$ 500.00	\$ 33,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	290,150.00
Engineering: (% +/-)	15%	\$ 43,650.00
Contingency: (% +/-)	20%	\$ 58,200.00
Estimated Project Cost:	\$	392,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	271
Medium	660
Low	2,848
Compliant	2,437
Total	6,216

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (B) (Southwest to Hwy 75) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	530	SY	\$ 10.00	\$ 5,300.00
2	CONCRETE SIDEWALK (SD-1)	955	SY	\$ 80.00	\$ 76,400.00
3	REMOVAL OF PAVEMENT	410	SY	\$ 10.00	\$ 4,100.00
4	CONCRETE DRIVEWAY	69	CY	\$ 500.00	\$ 34,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	120,800.00
Engineering: (% +/-)	15%	\$ 18,514.29
Contingency: (% +/-)	20%	\$ 24,685.71
Estimated Project Cost:	\$	164,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	185
Medium	420
Low	1,483
Compliant	1,355
Total	3,442

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (B) (Southwest to Hwy 75) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	435	SY	\$ 10.00	\$ 4,350.00
2	CONCRETE SIDEWALK (SD-1)	902	SY	\$ 80.00	\$ 72,160.00
3	REMOVAL OF PAVEMENT	132	SY	\$ 10.00	\$ 1,320.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	88,830.00
Engineering: (% +/-)	15%	\$ 13,358.57
Contingency: (% +/-)	20%	\$ 17,811.43
Estimated Project Cost:	\$	120,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	13
Medium	152
Low	1,371
Compliant	1,996
Total	3,533

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (C) (Riverside to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	304	SY	\$ 10.00	\$ 3,040.00
2	CONCRETE SIDEWALK (SD-1)	312	SY	\$ 80.00	\$ 24,960.00
3	REMOVAL OF PAVEMENT	212	SY	\$ 10.00	\$ 2,120.00
4	CONCRETE DRIVEWAY	36	CY	\$ 500.00	\$ 18,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	48,620.00
Engineering: (% +/-)	15%	\$ 7,448.57
Contingency: (% +/-)	20%	\$ 9,931.43
Estimated Project Cost:	\$	66,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	182
Medium	232
Low	417
Compliant	1,393
Total	2,225

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (C) (Riverside to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	78	SY	\$ 10.00	\$ 780.00
2	CONCRETE SIDEWALK (SD-1)	1,164	SY	\$ 80.00	\$ 93,120.00
3	REMOVAL OF PAVEMENT	62	SY	\$ 10.00	\$ 620.00
4	CONCRETE DRIVEWAY	11	CY	\$ 500.00	\$ 5,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	100,020.00
Engineering: (% +/-)	15%	\$ 15,420.00
Contingency: (% +/-)	20%	\$ 20,560.00
Estimated Project Cost:	\$	136,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	60
Medium	81
Low	1,974
Compliant	61
Total	2,176

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (D) (Peoria to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	378	SY	\$ 10.00	\$ 3,780.00
2	CONCRETE SIDEWALK (SD-1)	817	SY	\$ 80.00	\$ 65,360.00
3	REMOVAL OF PAVEMENT	565	SY	\$ 10.00	\$ 5,650.00
4	CONCRETE DRIVEWAY	95	CY	\$ 500.00	\$ 47,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	122,290.00
Engineering: (% +/-)	15%	\$ 18,732.86
Contingency: (% +/-)	20%	\$ 24,977.14
Estimated Project Cost:	\$	166,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	131
Medium	220
Low	1,389
Compliant	3,399
Total	5,140

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (D) (Peoria to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	357	SY	\$ 10.00	\$ 3,570.00
2	CONCRETE SIDEWALK (SD-1)	2,874	SY	\$ 80.00	\$ 229,920.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	233,490.00
Engineering: (% +/-)	15%	\$ 35,361.43
Contingency: (% +/-)	20%	\$ 47,148.57
Estimated Project Cost:	\$	316,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	6
Medium	163
Low	4,823
Compliant	129
Total	5,120

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (E) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,192	SY	\$ 10.00	\$ 11,920.00
2	CONCRETE SIDEWALK (SD-1)	1,192	SY	\$ 80.00	\$ 95,360.00
3	REMOVAL OF PAVEMENT	208	SY	\$ 10.00	\$ 2,080.00
4	CONCRETE DRIVEWAY	35	CY	\$ 500.00	\$ 17,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	4	LS	\$ 500.00	\$ 2,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	129,860.00
Engineering: (% +/-)	15%	\$ 19,774.29
Contingency: (% +/-)	20%	\$ 26,365.71
Estimated Project Cost:	\$	176,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	345
Medium	620
Low	1,706
Compliant	2,484
Total	5,156

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (E) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	956	SY	\$ 10.00	\$ 9,560.00
2	CONCRETE SIDEWALK (SD-1)	973	SY	\$ 80.00	\$ 77,840.00
3	REMOVAL OF PAVEMENT	428	SY	\$ 10.00	\$ 4,280.00
4	CONCRETE DRIVEWAY	72	CY	\$ 500.00	\$ 36,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	128,680.00
Engineering: (% +/-)	15%	\$ 19,422.86
Contingency: (% +/-)	20%	\$ 25,897.14
Estimated Project Cost:	\$	174,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	408
Medium	600
Low	1,357
Compliant	2,806
Total	5,170

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (F) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,168	SY	\$ 10.00	\$ 11,680.00
2	CONCRETE SIDEWALK (SD-1)	1,177	SY	\$ 80.00	\$ 94,160.00
3	REMOVAL OF PAVEMENT	584	SY	\$ 10.00	\$ 5,840.00
4	CONCRETE DRIVEWAY	98	CY	\$ 500.00	\$ 49,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	162,680.00
Engineering: (% +/-)	15%	\$ 24,565.71
Contingency: (% +/-)	20%	\$ 32,754.29
Estimated Project Cost:	\$	220,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	454
Medium	518
Low	1,893
Compliant	2,343
Total	5,208

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (F) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,276	SY	\$ 10.00	\$ 12,760.00
2	CONCRETE SIDEWALK (SD-1)	1,276	SY	\$ 80.00	\$ 102,080.00
3	REMOVAL OF PAVEMENT	117	SY	\$ 10.00	\$ 1,170.00
4	CONCRETE DRIVEWAY	20	CY	\$ 500.00	\$ 10,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	127,510.00
Engineering: (% +/-)	15%	\$ 19,495.71
Contingency: (% +/-)	20%	\$ 25,994.29
Estimated Project Cost:	\$	173,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	168
Medium	551
Low	1,726
Compliant	2,834
Total	5,279

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (G) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	269	SY	\$ 10.00	\$ 2,690.00
2	CONCRETE SIDEWALK (SD-1)	341	SY	\$ 80.00	\$ 27,280.00
3	REMOVAL OF PAVEMENT	178	SY	\$ 10.00	\$ 1,780.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	47,750.00
Engineering: (% +/-)	15%	\$ 7,392.86
Contingency: (% +/-)	20%	\$ 9,857.14
Estimated Project Cost:	\$	65,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	128
Medium	158
Low	316
Compliant	4,757
Total	5,358

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061277900	Date: 7/24/2012 Prepared By: EPE Checked By: SRA
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Corridor: 41st Street South (G) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	254	SY	\$ 10.00	\$ 2,540.00
2	CONCRETE SIDEWALK (SD-1)	1,091	SY	\$ 80.00	\$ 87,280.00
3	REMOVAL OF PAVEMENT	434	SY	\$ 10.00	\$ 4,340.00
4	CONCRETE DRIVEWAY	73	CY	\$ 500.00	\$ 36,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection <input checked="" type="checkbox"/> No Design Completed <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 132,660.00 Engineering: (% +/-) 15% \$ 20,288.57 Contingency: (% +/-) 20% \$ 27,051.43 Estimated Project Cost: \$ 180,000.00
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	118
Medium	98
Low	2,127
Compliant	2,767
Total	5,111

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (H) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	225	SY	\$ 10.00	\$ 2,250.00
2	CONCRETE SIDEWALK (SD-1)	2,396	SY	\$ 80.00	\$ 191,680.00
3	REMOVAL OF PAVEMENT	123	SY	\$ 10.00	\$ 1,230.00
4	CONCRETE DRIVEWAY	21	CY	\$ 500.00	\$ 10,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	206,160.00
Engineering: (% +/-)	15%	\$ 31,217.14
Contingency: (% +/-)	20%	\$ 41,622.86
Estimated Project Cost:	\$	279,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	83
Medium	53
Low	4,172
Compliant	883
Total	5,191

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (H) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,834	SY	\$ 80.00	\$ 226,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,720.00
Engineering: (% +/-)	15%	\$ 34,405.71
Contingency: (% +/-)	20%	\$ 45,874.29
Estimated Project Cost:	\$	307,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,101
Compliant	0
Total	5,101

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (I) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	446	SY	\$ 10.00	\$ 4,460.00
2	CONCRETE SIDEWALK (SD-1)	570	SY	\$ 80.00	\$ 45,600.00
3	REMOVAL OF PAVEMENT	256	SY	\$ 10.00	\$ 2,560.00
4	CONCRETE DRIVEWAY	43	CY	\$ 500.00	\$ 21,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	4	LS	\$ 500.00	\$ 2,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	77,120.00
Engineering: (% +/-)	15%	\$ 11,948.57
Contingency: (% +/-)	20%	\$ 15,931.43
Estimated Project Cost:	\$	105,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	310
Medium	246
Low	475
Compliant	4,139
Total	5,171

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (I) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	367	SY	\$ 10.00	\$ 3,670.00
2	CONCRETE SIDEWALK (SD-1)	521	SY	\$ 80.00	\$ 41,680.00
3	REMOVAL OF PAVEMENT	395	SY	\$ 10.00	\$ 3,950.00
4	CONCRETE DRIVEWAY	66	CY	\$ 500.00	\$ 33,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	83,800.00
Engineering: (% +/-)	15%	\$ 12,942.86
Contingency: (% +/-)	20%	\$ 17,257.14
Estimated Project Cost:	\$	114,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	174
Medium	284
Low	784
Compliant	3,936
Total	5,178

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (J) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	578	SY	\$ 10.00	\$ 5,780.00
2	CONCRETE SIDEWALK (SD-1)	1,902	SY	\$ 80.00	\$ 152,160.00
3	REMOVAL OF PAVEMENT	178	SY	\$ 10.00	\$ 1,780.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	175,220.00
Engineering: (% +/-)	15%	\$ 26,477.14
Contingency: (% +/-)	20%	\$ 35,302.86
Estimated Project Cost:	\$	237,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5
Medium	547
Low	3,101
Compliant	1,414
Total	5,067

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (J) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	536	SY	\$ 10.00	\$ 5,360.00
2	CONCRETE SIDEWALK (SD-1)	1,895	SY	\$ 80.00	\$ 151,600.00
3	REMOVAL OF PAVEMENT	212	SY	\$ 10.00	\$ 2,120.00
4	CONCRETE DRIVEWAY	36	CY	\$ 500.00	\$ 18,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	177,580.00
Engineering: (% +/-)	15%	\$ 26,751.43
Contingency: (% +/-)	20%	\$ 35,668.57
Estimated Project Cost:	\$	240,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	40
Medium	227
Low	3,449
Compliant	1,354
Total	5,070

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (K) (Garnett to 129th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,846	SY	\$ 80.00	\$ 227,680.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,680.00
Engineering: (% +/-)	15%	\$ 34,422.86
Contingency: (% +/-)	20%	\$ 45,897.14
Estimated Project Cost:	\$	308,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,121
Compliant	0
Total	5,121

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (K) (Garnett to 129th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	124	SY	\$ 10.00	\$ 1,240.00
2	CONCRETE SIDEWALK (SD-1)	2,610	SY	\$ 80.00	\$ 208,800.00
3	REMOVAL OF PAVEMENT	39	SY	\$ 10.00	\$ 390.00
4	CONCRETE DRIVEWAY	7	CY	\$ 500.00	\$ 3,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	213,930.00
Engineering: (% +/-)	15%	\$ 32,172.86
Contingency: (% +/-)	20%	\$ 42,897.14
Estimated Project Cost:	\$	289,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	8
Medium	55
Low	4,703
Compliant	347
Total	5,113

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (L) (129th to 135th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	48	SY	\$ 10.00	\$ 480.00
2	CONCRETE SIDEWALK (SD-1)	1,045	SY	\$ 80.00	\$ 83,600.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	84,080.00
Engineering: (% +/-)	15%	\$ 12,822.86
Contingency: (% +/-)	20%	\$ 17,097.14
Estimated Project Cost:	\$	114,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	20
Medium	0
Low	1,859
Compliant	195
Total	2,074

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 41st Street South (L) (129th to 135th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	37	SY	\$ 10.00	\$ 370.00
2	CONCRETE SIDEWALK (SD-1)	948	SY	\$ 80.00	\$ 75,840.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	76,210.00
Engineering: (% +/-)	15%	\$ 11,481.43
Contingency: (% +/-)	20%	\$ 15,308.57
Estimated Project Cost:	\$	103,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	8
Low	1,698
Compliant	361
Total	2,067

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 46th Street North (A) (Elwood to Cincinnati) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,141	SY	\$ 80.00	\$ 91,280.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	91,280.00
Engineering: (% +/-)	15%	\$ 14,022.86
Contingency: (% +/-)	20%	\$ 18,697.14
Estimated Project Cost:	\$	124,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	2,053
Compliant	0
Total	2,053

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 46th Street North (A) (Elwood to Cincinnati) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	17	SY	\$ 10.00	\$ 170.00
2	CONCRETE SIDEWALK (SD-1)	819	SY	\$ 80.00	\$ 65,520.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	65,690.00
Engineering: (% +/-)	15%	\$ 9,990.00
Contingency: (% +/-)	20%	\$ 13,320.00
Estimated Project Cost:	\$	89,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	38
Low	1,474
Compliant	554
Total	2,066

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 46th Street North (B) (Cincinnati to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	947	SY	\$ 10.00	\$ 9,470.00
2	CONCRETE SIDEWALK (SD-1)	1,271	SY	\$ 80.00	\$ 101,680.00
3	REMOVAL OF PAVEMENT	575	SY	\$ 10.00	\$ 5,750.00
4	CONCRETE DRIVEWAY	96	CY	\$ 500.00	\$ 48,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	165,400.00
Engineering: (% +/-)	15%	\$ 25,114.29
Contingency: (% +/-)	20%	\$ 33,485.71
Estimated Project Cost:	\$	224,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	274
Medium	535
Low	1,987
Compliant	2,398
Total	5,194

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 46th Street North (B) (Cincinnati to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	331	SY	\$ 10.00	\$ 3,310.00
2	CONCRETE SIDEWALK (SD-1)	1,656	SY	\$ 80.00	\$ 132,480.00
3	REMOVAL OF PAVEMENT	150	SY	\$ 10.00	\$ 1,500.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	150,290.00
Engineering: (% +/-)	15%	\$ 22,590.00
Contingency: (% +/-)	20%	\$ 30,120.00
Estimated Project Cost:	\$	203,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	82
Medium	105
Low	3,071
Compliant	1,905
Total	5,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 49th West Avenue (Easton to Charles Page) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	490	SY	\$ 10.00	\$ 4,900.00
2	CONCRETE SIDEWALK (SD-1)	2,281	SY	\$ 80.00	\$ 182,480.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,720.00
Engineering: (% +/-)	15%	\$ 29,262.86
Contingency: (% +/-)	20%	\$ 39,017.14
Estimated Project Cost:	\$	261,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	190
Medium	27
Low	3,710
Compliant	425
Total	4,352

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 49th West Avenue (Easton to Charles Page) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	348	SY	\$ 10.00	\$ 3,480.00
2	CONCRETE SIDEWALK (SD-1)	2,146	SY	\$ 80.00	\$ 171,680.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	4	LS	\$ 500.00	\$ 2,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	177,660.00
Engineering: (% +/-)	15%	\$ 26,717.14
Contingency: (% +/-)	20%	\$ 35,622.86
Estimated Project Cost:	\$	240,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	165
Medium	67
Low	3,426
Compliant	550
Total	4,208

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 4th Street (3rd to Lansing) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,923	SY	\$ 10.00	\$ 29,230.00
2	CONCRETE SIDEWALK (SD-1)	2,923	SY	\$ 80.00	\$ 233,840.00
3	REMOVAL OF PAVEMENT	473	SY	\$ 10.00	\$ 4,730.00
4	CONCRETE DRIVEWAY	79	CY	\$ 500.00	\$ 39,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	307,300.00
Engineering: (% +/-)	15%	\$ 46,157.14
Contingency: (% +/-)	20%	\$ 61,542.86
Estimated Project Cost:	\$	415,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	448
Medium	784
Low	1,747
Compliant	2,242
Total	5,220

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 4th Street (3rd to Lansing) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,561	SY	\$ 10.00	\$ 25,610.00
2	CONCRETE SIDEWALK (SD-1)	2,633	SY	\$ 80.00	\$ 210,640.00
3	REMOVAL OF PAVEMENT	600	SY	\$ 10.00	\$ 6,000.00
4	CONCRETE DRIVEWAY	100	CY	\$ 500.00	\$ 50,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	292,250.00
Engineering: (% +/-)	15%	\$ 44,035.71
Contingency: (% +/-)	20%	\$ 58,714.29
Estimated Project Cost:	\$	395,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	778
Medium	560
Low	1,667
Compliant	2,243
Total	5,247

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (B) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,833	SY	\$ 80.00	\$ 226,640.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,640.00
Engineering: (% +/-)	15%	\$ 34,011.43
Contingency: (% +/-)	20%	\$ 45,348.57
Estimated Project Cost:	\$	306,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	5,098
Compliant	0
Total	5,098

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (B) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,738	SY	\$ 10.00	\$ 17,380.00
2	CONCRETE SIDEWALK (SD-1)	1,738	SY	\$ 80.00	\$ 139,040.00
3	REMOVAL OF PAVEMENT	795	SY	\$ 10.00	\$ 7,950.00
4	CONCRETE DRIVEWAY	133	CY	\$ 500.00	\$ 66,500.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	232,870.00
Engineering: (% +/-)	15%	\$ 35,198.57
Contingency: (% +/-)	20%	\$ 46,931.43
Estimated Project Cost:	\$	315,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	323
Medium	1,408
Low	2,133
Compliant	1,243
Total	5,106

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (C) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,135	SY	\$ 10.00	\$ 11,350.00
2	CONCRETE SIDEWALK (SD-1)	1,881	SY	\$ 80.00	\$ 150,480.00
3	REMOVAL OF PAVEMENT	678	SY	\$ 10.00	\$ 6,780.00
4	CONCRETE DRIVEWAY	113	CY	\$ 500.00	\$ 56,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	225,110.00
Engineering: (% +/-)	15%	\$ 33,810.00
Contingency: (% +/-)	20%	\$ 45,080.00
Estimated Project Cost:	\$	304,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	786
Medium	869
Low	2,681
Compliant	852
Total	5,188

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (C) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,471	SY	\$ 10.00	\$ 14,710.00
2	CONCRETE SIDEWALK (SD-1)	1,479	SY	\$ 80.00	\$ 118,320.00
3	REMOVAL OF PAVEMENT	906	SY	\$ 10.00	\$ 9,060.00
4	CONCRETE DRIVEWAY	151	CY	\$ 500.00	\$ 75,500.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	219,590.00
Engineering: (% +/-)	15%	\$ 33,175.71
Contingency: (% +/-)	20%	\$ 44,234.29
Estimated Project Cost:	\$	297,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	557
Medium	599
Low	2,078
Compliant	2,024
Total	5,258

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (D) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,616	SY	\$ 10.00	\$ 16,160.00
2	CONCRETE SIDEWALK (SD-1)	1,929	SY	\$ 80.00	\$ 154,320.00
3	REMOVAL OF PAVEMENT	434	SY	\$ 10.00	\$ 4,340.00
4	CONCRETE DRIVEWAY	73	CY	\$ 500.00	\$ 36,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	211,820.00
Engineering: (% +/-)	15%	\$ 31,791.43
Contingency: (% +/-)	20%	\$ 42,388.57
Estimated Project Cost:	\$	286,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	432
Medium	1,123
Low	2,687
Compliant	899
Total	5,142

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (D) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,706	SY	\$ 10.00	\$ 17,060.00
2	CONCRETE SIDEWALK (SD-1)	1,894	SY	\$ 80.00	\$ 151,520.00
3	REMOVAL OF PAVEMENT	195	SY	\$ 10.00	\$ 1,950.00
4	CONCRETE DRIVEWAY	33	CY	\$ 500.00	\$ 16,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	187,030.00
Engineering: (% +/-)	15%	\$ 28,272.86
Contingency: (% +/-)	20%	\$ 37,697.14
Estimated Project Cost:	\$	253,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	472
Medium	1,144
Low	2,571
Compliant	964
Total	5,151

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (E) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,411	SY	\$ 10.00	\$ 14,110.00
2	CONCRETE SIDEWALK (SD-1)	1,721	SY	\$ 80.00	\$ 137,680.00
3	REMOVAL OF PAVEMENT	267	SY	\$ 10.00	\$ 2,670.00
4	CONCRETE DRIVEWAY	45	CY	\$ 500.00	\$ 22,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	176,960.00
Engineering: (% +/-)	15%	\$ 26,588.57
Contingency: (% +/-)	20%	\$ 35,451.43
Estimated Project Cost:	\$	239,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	288
Medium	764
Low	2,496
Compliant	1,614
Total	5,163

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (E) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,260	SY	\$ 10.00	\$ 12,600.00
2	CONCRETE SIDEWALK (SD-1)	1,919	SY	\$ 80.00	\$ 153,520.00
3	REMOVAL OF PAVEMENT	89	SY	\$ 10.00	\$ 890.00
4	CONCRETE DRIVEWAY	15	CY	\$ 500.00	\$ 7,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	174,510.00
Engineering: (% +/-)	15%	\$ 26,352.86
Contingency: (% +/-)	20%	\$ 35,137.14
Estimated Project Cost:	\$	236,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	320
Medium	849
Low	2,828
Compliant	1,262
Total	5,259

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (F) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,428	SY	\$ 10.00	\$ 14,280.00
2	CONCRETE SIDEWALK (SD-1)	1,428	SY	\$ 80.00	\$ 114,240.00
3	REMOVAL OF PAVEMENT	189	SY	\$ 10.00	\$ 1,890.00
4	CONCRETE DRIVEWAY	32	CY	\$ 500.00	\$ 16,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	147,410.00
Engineering: (% +/-)	15%	\$ 22,538.57
Contingency: (% +/-)	20%	\$ 30,051.43
Estimated Project Cost:	\$	200,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	186
Medium	724
Low	1,337
Compliant	2,920
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (F) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,618	SY	\$ 10.00	\$ 16,180.00
2	CONCRETE SIDEWALK (SD-1)	1,618	SY	\$ 80.00	\$ 129,440.00
3	REMOVAL OF PAVEMENT	289	SY	\$ 10.00	\$ 2,890.00
4	CONCRETE DRIVEWAY	49	CY	\$ 500.00	\$ 24,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	4	LS	\$ 500.00	\$ 2,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	175,510.00
Engineering: (% +/-)	15%	\$ 26,352.86
Contingency: (% +/-)	20%	\$ 35,137.14
Estimated Project Cost:	\$	237,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	226
Medium	657
Low	1,822
Compliant	2,476
Total	5,182

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (G) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	819	SY	\$ 10.00	\$ 8,190.00
2	CONCRETE SIDEWALK (SD-1)	1,615	SY	\$ 80.00	\$ 129,200.00
3	REMOVAL OF PAVEMENT	323	SY	\$ 10.00	\$ 3,230.00
4	CONCRETE DRIVEWAY	54	CY	\$ 500.00	\$ 27,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	170,120.00
Engineering: (% +/-)	15%	\$ 25,662.86
Contingency: (% +/-)	20%	\$ 34,217.14
Estimated Project Cost:	\$	230,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	244
Medium	507
Low	2,634
Compliant	1,738
Total	5,122

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (G) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	623	SY	\$ 10.00	\$ 6,230.00
2	CONCRETE SIDEWALK (SD-1)	1,630	SY	\$ 80.00	\$ 130,400.00
3	REMOVAL OF PAVEMENT	450	SY	\$ 10.00	\$ 4,500.00
4	CONCRETE DRIVEWAY	75	CY	\$ 500.00	\$ 37,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	179,630.00
Engineering: (% +/-)	15%	\$ 27,158.57
Contingency: (% +/-)	20%	\$ 36,211.43
Estimated Project Cost:	\$	243,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	308
Medium	738
Low	2,425
Compliant	1,604
Total	5,074

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (H) (Garnett to 129th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	369	SY	\$ 10.00	\$ 3,690.00
2	CONCRETE SIDEWALK (SD-1)	2,345	SY	\$ 80.00	\$ 187,600.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	195,130.00
Engineering: (% +/-)	15%	\$ 29,515.71
Contingency: (% +/-)	20%	\$ 39,354.29
Estimated Project Cost:	\$	264,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	3
Medium	162
Low	3,856
Compliant	1,128
Total	5,148

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (H) (Garnett to 129th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	961	SY	\$ 10.00	\$ 9,610.00
2	CONCRETE SIDEWALK (SD-1)	2,665	SY	\$ 80.00	\$ 213,200.00
3	REMOVAL OF PAVEMENT	134	SY	\$ 10.00	\$ 1,340.00
4	CONCRETE DRIVEWAY	23	CY	\$ 500.00	\$ 11,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	235,650.00
Engineering: (% +/-)	15%	\$ 35,721.43
Contingency: (% +/-)	20%	\$ 47,628.57
Estimated Project Cost:	\$	319,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	193
Medium	685
Low	3,815
Compliant	475
Total	5,168

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (I) (129th to 1200' east of 129th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	689	SY	\$ 10.00	\$ 6,890.00
2	CONCRETE SIDEWALK (SD-1)	689	SY	\$ 80.00	\$ 55,120.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	62,010.00
Engineering: (% +/-)	15%	\$ 9,424.29
Contingency: (% +/-)	20%	\$ 12,565.71
Estimated Project Cost:	\$	84,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	15
Medium	590
Low	322
Compliant	196
Total	1,122

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 51st Street South (I) (129th to 1200' east of 129th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	711	SY	\$ 10.00	\$ 7,110.00
2	CONCRETE SIDEWALK (SD-1)	711	SY	\$ 80.00	\$ 56,880.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	69,550.00
Engineering: (% +/-)	15%	\$ 10,478.57
Contingency: (% +/-)	20%	\$ 13,971.43
Estimated Project Cost:	\$	94,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	50
Medium	161
Low	866
Compliant	50
Total	1,127

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 5th Street (Frankfort to Denver) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,442	SY	\$ 10.00	\$ 24,420.00
2	CONCRETE SIDEWALK (SD-1)	2,442	SY	\$ 80.00	\$ 195,360.00
3	REMOVAL OF PAVEMENT	228	SY	\$ 10.00	\$ 2,280.00
4	CONCRETE DRIVEWAY	38	CY	\$ 500.00	\$ 19,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	241,060.00
Engineering: (% +/-)	15%	\$ 36,402.86
Contingency: (% +/-)	20%	\$ 48,537.14
Estimated Project Cost:	\$	326,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	178
Medium	390
Low	966
Compliant	1,432
Total	2,967

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 5th Street (Frankfort to Denver) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,710	SY	\$ 10.00	\$ 27,100.00
2	CONCRETE SIDEWALK (SD-1)	2,710	SY	\$ 80.00	\$ 216,800.00
3	REMOVAL OF PAVEMENT	289	SY	\$ 10.00	\$ 2,890.00
4	CONCRETE DRIVEWAY	49	CY	\$ 500.00	\$ 24,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	271,290.00
Engineering: (% +/-)	15%	\$ 41,018.57
Contingency: (% +/-)	20%	\$ 54,691.43
Estimated Project Cost:	\$	367,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	302
Medium	514
Low	914
Compliant	1,258
Total	2,989

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (A) (33rd to Santa Fe) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	757	SY	\$ 10.00	\$ 7,570.00
2	CONCRETE SIDEWALK (SD-1)	3,148	SY	\$ 80.00	\$ 251,840.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	260,910.00
Engineering: (% +/-)	15%	\$ 39,467.14
Contingency: (% +/-)	20%	\$ 52,622.86
Estimated Project Cost:	\$	353,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	135
Medium	216
Low	5,247
Compliant	359
Total	5,956

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (A) (33rd to Santa Fe) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,261	SY	\$ 10.00	\$ 12,610.00
2	CONCRETE SIDEWALK (SD-1)	1,261	SY	\$ 80.00	\$ 100,880.00
3	REMOVAL OF PAVEMENT	89	SY	\$ 10.00	\$ 890.00
4	CONCRETE DRIVEWAY	15	CY	\$ 500.00	\$ 7,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	122,380.00
Engineering: (% +/-)	15%	\$ 18,694.29
Contingency: (% +/-)	20%	\$ 24,925.71
Estimated Project Cost:	\$	166,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	106
Medium	624
Low	1,664
Compliant	3,696
Total	6,091

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (B) (Riverside to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	4,041	SY	\$ 80.00	\$ 323,280.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	323,280.00
Engineering: (% +/-)	15%	\$ 48,737.14
Contingency: (% +/-)	20%	\$ 64,982.86
Estimated Project Cost:	\$	437,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	7,272
Compliant	0
Total	7,272

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (B) (Riverside to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	4,035	SY	\$ 80.00	\$ 322,800.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	322,800.00
Engineering: (% +/-)	15%	\$ 48,514.29
Contingency: (% +/-)	20%	\$ 64,685.71
Estimated Project Cost:	\$	436,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	7,261
Compliant	0
Total	7,261

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (C) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	165	SY	\$ 10.00	\$ 1,650.00
2	CONCRETE SIDEWALK (SD-1)	3,035	SY	\$ 80.00	\$ 242,800.00
3	REMOVAL OF PAVEMENT	84	SY	\$ 10.00	\$ 840.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	252,290.00
Engineering: (% +/-)	15%	\$ 38,018.57
Contingency: (% +/-)	20%	\$ 50,691.43
Estimated Project Cost:	\$	341,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	236
Low	5,279
Compliant	240
Total	5,755

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (C) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	75	SY	\$ 10.00	\$ 750.00
2	CONCRETE SIDEWALK (SD-1)	3,032	SY	\$ 80.00	\$ 242,560.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	243,310.00
Engineering: (% +/-)	15%	\$ 36,724.29
Contingency: (% +/-)	20%	\$ 48,965.71
Estimated Project Cost:	\$	329,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	43
Medium	10
Low	5,435
Compliant	259
Total	5,748

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (D) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	646	SY	\$ 10.00	\$ 6,460.00
2	CONCRETE SIDEWALK (SD-1)	646	SY	\$ 80.00	\$ 51,680.00
3	REMOVAL OF PAVEMENT	17	SY	\$ 10.00	\$ 170.00
4	CONCRETE DRIVEWAY	3	CY	\$ 500.00	\$ 1,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	60,810.00
Engineering: (% +/-)	15%	\$ 9,510.00
Contingency: (% +/-)	20%	\$ 12,680.00
Estimated Project Cost:	\$	83,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	95
Medium	220
Low	1,226
Compliant	3,696
Total	5,237

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (D) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	683	SY	\$ 10.00	\$ 6,830.00
2	CONCRETE SIDEWALK (SD-1)	683	SY	\$ 80.00	\$ 54,640.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	64,750.00
Engineering: (% +/-)	15%	\$ 9,964.29
Contingency: (% +/-)	20%	\$ 13,285.71
Estimated Project Cost:	\$	88,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	60
Medium	207
Low	1,212
Compliant	3,741
Total	5,220

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (E) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,255	SY	\$ 10.00	\$ 12,550.00
2	CONCRETE SIDEWALK (SD-1)	1,255	SY	\$ 80.00	\$ 100,400.00
3	REMOVAL OF PAVEMENT	62	SY	\$ 10.00	\$ 620.00
4	CONCRETE DRIVEWAY	11	CY	\$ 500.00	\$ 5,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	119,070.00
Engineering: (% +/-)	15%	\$ 17,970.00
Contingency: (% +/-)	20%	\$ 23,960.00
Estimated Project Cost:	\$	161,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	108
Medium	411
Low	2,136
Compliant	2,482
Total	5,136

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (E) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,684	SY	\$ 10.00	\$ 16,840.00
2	CONCRETE SIDEWALK (SD-1)	1,684	SY	\$ 80.00	\$ 134,720.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	158,620.00
Engineering: (% +/-)	15%	\$ 24,162.86
Contingency: (% +/-)	20%	\$ 32,217.14
Estimated Project Cost:	\$	215,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	258
Medium	1,628
Low	1,822
Compliant	1,466
Total	5,174

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (F) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,571	SY	\$ 10.00	\$ 15,710.00
2	CONCRETE SIDEWALK (SD-1)	1,571	SY	\$ 80.00	\$ 125,680.00
3	REMOVAL OF PAVEMENT	173	SY	\$ 10.00	\$ 1,730.00
4	CONCRETE DRIVEWAY	29	CY	\$ 500.00	\$ 14,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	157,620.00
Engineering: (% +/-)	15%	\$ 23,734.29
Contingency: (% +/-)	20%	\$ 31,645.71
Estimated Project Cost:	\$	213,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	359
Medium	455
Low	2,251
Compliant	2,144
Total	5,208

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (F) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	768	SY	\$ 10.00	\$ 7,680.00
2	CONCRETE SIDEWALK (SD-1)	768	SY	\$ 80.00	\$ 61,440.00
3	REMOVAL OF PAVEMENT	239	SY	\$ 10.00	\$ 2,390.00
4	CONCRETE DRIVEWAY	40	CY	\$ 500.00	\$ 20,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	91,510.00
Engineering: (% +/-)	15%	\$ 13,924.29
Contingency: (% +/-)	20%	\$ 18,565.71
Estimated Project Cost:	\$	124,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	311
Medium	235
Low	1,050
Compliant	3,586
Total	5,183

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (G) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,444	SY	\$ 10.00	\$ 24,440.00
2	CONCRETE SIDEWALK (SD-1)	2,598	SY	\$ 80.00	\$ 207,840.00
3	REMOVAL OF PAVEMENT	389	SY	\$ 10.00	\$ 3,890.00
4	CONCRETE DRIVEWAY	65	CY	\$ 500.00	\$ 32,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	269,170.00
Engineering: (% +/-)	15%	\$ 40,641.43
Contingency: (% +/-)	20%	\$ 54,188.57
Estimated Project Cost:	\$	364,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	439
Medium	1,401
Low	2,601
Compliant	714
Total	5,155

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (G) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,126	SY	\$ 10.00	\$ 21,260.00
2	CONCRETE SIDEWALK (SD-1)	2,151	SY	\$ 80.00	\$ 172,080.00
3	REMOVAL OF PAVEMENT	356	SY	\$ 10.00	\$ 3,560.00
4	CONCRETE DRIVEWAY	60	CY	\$ 500.00	\$ 30,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,400.00
Engineering: (% +/-)	15%	\$ 34,114.29
Contingency: (% +/-)	20%	\$ 45,485.71
Estimated Project Cost:	\$	307,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	416
Medium	1,349
Low	2,387
Compliant	1,009
Total	5,161

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (H) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,158	SY	\$ 10.00	\$ 11,580.00
2	CONCRETE SIDEWALK (SD-1)	1,394	SY	\$ 80.00	\$ 111,520.00
3	REMOVAL OF PAVEMENT	534	SY	\$ 10.00	\$ 5,340.00
4	CONCRETE DRIVEWAY	89	CY	\$ 500.00	\$ 44,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	172,940.00
Engineering: (% +/-)	15%	\$ 26,168.57
Contingency: (% +/-)	20%	\$ 34,891.43
Estimated Project Cost:	\$	234,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	272
Medium	912
Low	1,607
Compliant	2,322
Total	5,114

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 61st Street South (H) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,400	SY	\$ 10.00	\$ 14,000.00
2	CONCRETE SIDEWALK (SD-1)	1,400	SY	\$ 80.00	\$ 112,000.00
3	REMOVAL OF PAVEMENT	367	SY	\$ 10.00	\$ 3,670.00
4	CONCRETE DRIVEWAY	62	CY	\$ 500.00	\$ 31,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	160,670.00
Engineering: (% +/-)	15%	\$ 24,141.43
Contingency: (% +/-)	20%	\$ 32,188.57
Estimated Project Cost:	\$	217,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	131
Medium	751
Low	1,683
Compliant	2,509
Total	5,073

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 6th Street (7th to Kenosha) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,408	SY	\$ 10.00	\$ 24,080.00
2	CONCRETE SIDEWALK (SD-1)	2,408	SY	\$ 80.00	\$ 192,640.00
3	REMOVAL OF PAVEMENT	545	SY	\$ 10.00	\$ 5,450.00
4	CONCRETE DRIVEWAY	91	CY	\$ 500.00	\$ 45,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	267,670.00
Engineering: (% +/-)	15%	\$ 40,427.14
Contingency: (% +/-)	20%	\$ 53,902.86
Estimated Project Cost:	\$	362,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	352
Medium	401
Low	1,494
Compliant	2,448
Total	4,696

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 6th Street (7th to Kenosha) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,689	SY	\$ 10.00	\$ 26,890.00
2	CONCRETE SIDEWALK (SD-1)	2,689	SY	\$ 80.00	\$ 215,120.00
3	REMOVAL OF PAVEMENT	589	SY	\$ 10.00	\$ 5,890.00
4	CONCRETE DRIVEWAY	99	CY	\$ 500.00	\$ 49,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	297,400.00
Engineering: (% +/-)	15%	\$ 44,828.57
Contingency: (% +/-)	20%	\$ 59,771.43
Estimated Project Cost:	\$	402,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	481
Medium	731
Low	1,463
Compliant	1,910
Total	4,586

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (A) (Union to Jackson) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	797	SY	\$ 10.00	\$ 7,970.00
2	CONCRETE SIDEWALK (SD-1)	1,664	SY	\$ 80.00	\$ 133,120.00
3	REMOVAL OF PAVEMENT	156	SY	\$ 10.00	\$ 1,560.00
4	CONCRETE DRIVEWAY	26	CY	\$ 500.00	\$ 13,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	155,650.00
Engineering: (% +/-)	15%	\$ 23,721.43
Contingency: (% +/-)	20%	\$ 31,628.57
Estimated Project Cost:	\$	211,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	114
Medium	520
Low	2,579
Compliant	350
Total	3,563

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (A) (Union to Jackson) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	964	SY	\$ 10.00	\$ 9,640.00
2	CONCRETE SIDEWALK (SD-1)	1,796	SY	\$ 80.00	\$ 143,680.00
3	REMOVAL OF PAVEMENT	95	SY	\$ 10.00	\$ 950.00
4	CONCRETE DRIVEWAY	16	CY	\$ 500.00	\$ 8,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	162,770.00
Engineering: (% +/-)	15%	\$ 24,527.14
Contingency: (% +/-)	20%	\$ 32,702.86
Estimated Project Cost:	\$	220,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	151
Medium	356
Low	2,454
Compliant	623
Total	3,583

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (B) (Riverside to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	917	SY	\$ 10.00	\$ 9,170.00
2	CONCRETE SIDEWALK (SD-1)	917	SY	\$ 80.00	\$ 73,360.00
3	REMOVAL OF PAVEMENT	878	SY	\$ 10.00	\$ 8,780.00
4	CONCRETE DRIVEWAY	147	CY	\$ 500.00	\$ 73,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	165,310.00
Engineering: (% +/-)	15%	\$ 25,152.86
Contingency: (% +/-)	20%	\$ 33,537.14
Estimated Project Cost:	\$	224,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	140
Medium	1,080
Low	1,721
Compliant	1,997
Total	4,939

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (B) (Riverside to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,286	SY	\$ 10.00	\$ 12,860.00
2	CONCRETE SIDEWALK (SD-1)	1,286	SY	\$ 80.00	\$ 102,880.00
3	REMOVAL OF PAVEMENT	429	SY	\$ 10.00	\$ 4,290.00
4	CONCRETE DRIVEWAY	72	CY	\$ 500.00	\$ 36,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	156,530.00
Engineering: (% +/-)	15%	\$ 23,772.86
Contingency: (% +/-)	20%	\$ 31,697.14
Estimated Project Cost:	\$	212,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	522
Medium	374
Low	2,342
Compliant	1,876
Total	5,115

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (C) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,015	SY	\$ 10.00	\$ 10,150.00
2	CONCRETE SIDEWALK (SD-1)	1,015	SY	\$ 80.00	\$ 81,200.00
3	REMOVAL OF PAVEMENT	167	SY	\$ 10.00	\$ 1,670.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	109,520.00
Engineering: (% +/-)	15%	\$ 16,491.43
Contingency: (% +/-)	20%	\$ 21,988.57
Estimated Project Cost:	\$	148,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	439
Medium	308
Low	1,595
Compliant	2,837
Total	5,179

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (C) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,026	SY	\$ 10.00	\$ 10,260.00
2	CONCRETE SIDEWALK (SD-1)	1,026	SY	\$ 80.00	\$ 82,080.00
3	REMOVAL OF PAVEMENT	317	SY	\$ 10.00	\$ 3,170.00
4	CONCRETE DRIVEWAY	53	CY	\$ 500.00	\$ 26,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	122,010.00
Engineering: (% +/-)	15%	\$ 18,424.29
Contingency: (% +/-)	20%	\$ 24,565.71
Estimated Project Cost:	\$	165,000.00

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Project Location

Project Details

Priority	Length (LF)
High	205
Medium	546
Low	1,757
Compliant	2,660
Total	5,168

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (D) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,572	SY	\$ 10.00	\$ 15,720.00
2	CONCRETE SIDEWALK (SD-1)	1,572	SY	\$ 80.00	\$ 125,760.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	4	LS	\$ 500.00	\$ 2,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	150,040.00
Engineering: (% +/-)	15%	\$ 22,697.14
Contingency: (% +/-)	20%	\$ 30,262.86
Estimated Project Cost:	\$	203,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	254
Medium	679
Low	2,494
Compliant	1,716
Total	5,143

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (D) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,568	SY	\$ 10.00	\$ 15,680.00
2	CONCRETE SIDEWALK (SD-1)	1,568	SY	\$ 80.00	\$ 125,440.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	144,460.00
Engineering: (% +/-)	15%	\$ 22,088.57
Contingency: (% +/-)	20%	\$ 29,451.43
Estimated Project Cost:	\$	196,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	15
Medium	1,219
Low	2,166
Compliant	1,711
Total	5,112

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (E) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,544	SY	\$ 10.00	\$ 15,440.00
2	CONCRETE SIDEWALK (SD-1)	1,544	SY	\$ 80.00	\$ 123,520.00
3	REMOVAL OF PAVEMENT	234	SY	\$ 10.00	\$ 2,340.00
4	CONCRETE DRIVEWAY	39	CY	\$ 500.00	\$ 19,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	161,300.00
Engineering: (% +/-)	15%	\$ 24,300.00
Contingency: (% +/-)	20%	\$ 32,400.00
Estimated Project Cost:	\$	218,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	302
Medium	132
Low	2,665
Compliant	2,040
Total	5,139

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061277900	Date: 7/24/2012 Prepared By: EPE Checked By: SRA
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Corridor: 71st Street South (E) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	883	SY	\$ 10.00	\$ 8,830.00
2	CONCRETE SIDEWALK (SD-1)	883	SY	\$ 80.00	\$ 70,640.00
3	REMOVAL OF PAVEMENT	134	SY	\$ 10.00	\$ 1,340.00
4	CONCRETE DRIVEWAY	23	CY	\$ 500.00	\$ 11,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection <input checked="" type="checkbox"/> No Design Completed <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">Subtotal:</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">92,310.00</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">Engineering: (% +/-)</td> <td style="text-align: right;">15%</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">14,010.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">Contingency: (% +/-)</td> <td style="text-align: right;">20%</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">18,680.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">Estimated Project Cost:</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">125,000.00</td> <td></td> </tr> </table>													Subtotal:	\$	92,310.00						Engineering: (% +/-)	15%	\$	14,010.00					Contingency: (% +/-)	20%	\$	18,680.00					Estimated Project Cost:	\$	125,000.00	
				Subtotal:	\$	92,310.00																																			
				Engineering: (% +/-)	15%	\$	14,010.00																																		
				Contingency: (% +/-)	20%	\$	18,680.00																																		
				Estimated Project Cost:	\$	125,000.00																																			

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Project Location

Project Details	
Priority	Length (LF)
High	95
Medium	226
Low	1,375
Compliant	3,452
Total	5,148

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (F) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	782	SY	\$ 10.00	\$ 7,820.00
2	CONCRETE SIDEWALK (SD-1)	788	SY	\$ 80.00	\$ 63,040.00
3	REMOVAL OF PAVEMENT	467	SY	\$ 10.00	\$ 4,670.00
4	CONCRETE DRIVEWAY	78	CY	\$ 500.00	\$ 39,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	114,530.00
Engineering: (% +/-)	15%	\$ 17,344.29
Contingency: (% +/-)	20%	\$ 23,125.71
Estimated Project Cost:	\$	155,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	182
Medium	174
Low	1,350
Compliant	3,410
Total	5,116

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (F) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	745	SY	\$ 10.00	\$ 7,450.00
2	CONCRETE SIDEWALK (SD-1)	745	SY	\$ 80.00	\$ 59,600.00
3	REMOVAL OF PAVEMENT	334	SY	\$ 10.00	\$ 3,340.00
4	CONCRETE DRIVEWAY	56	CY	\$ 500.00	\$ 28,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	98,390.00
Engineering: (% +/-)	15%	\$ 14,832.86
Contingency: (% +/-)	20%	\$ 19,777.14
Estimated Project Cost:	\$	133,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	421
Medium	345
Low	955
Compliant	3,409
Total	5,129

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (G) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	939	SY	\$ 10.00	\$ 9,390.00
2	CONCRETE SIDEWALK (SD-1)	939	SY	\$ 80.00	\$ 75,120.00
3	REMOVAL OF PAVEMENT	550	SY	\$ 10.00	\$ 5,500.00
4	CONCRETE DRIVEWAY	92	CY	\$ 500.00	\$ 46,000.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	138,010.00
Engineering: (% +/-)	15%	\$ 20,995.71
Contingency: (% +/-)	20%	\$ 27,994.29
Estimated Project Cost:	\$	187,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	521
Medium	421
Low	1,373
Compliant	2,818
Total	5,132

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (G) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,818	SY	\$ 10.00	\$ 18,180.00
2	CONCRETE SIDEWALK (SD-1)	1,818	SY	\$ 80.00	\$ 145,440.00
3	REMOVAL OF PAVEMENT	617	SY	\$ 10.00	\$ 6,170.00
4	CONCRETE DRIVEWAY	103	CY	\$ 500.00	\$ 51,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	222,290.00
Engineering: (% +/-)	15%	\$ 33,732.86
Contingency: (% +/-)	20%	\$ 44,977.14
Estimated Project Cost:	\$	301,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	661
Medium	1,030
Low	2,035
Compliant	1,388
Total	5,115

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (H) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,152	SY	\$ 10.00	\$ 21,520.00
2	CONCRETE SIDEWALK (SD-1)	2,152	SY	\$ 80.00	\$ 172,160.00
3	REMOVAL OF PAVEMENT	373	SY	\$ 10.00	\$ 3,730.00
4	CONCRETE DRIVEWAY	63	CY	\$ 500.00	\$ 31,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,410.00
Engineering: (% +/-)	15%	\$ 34,967.14
Contingency: (% +/-)	20%	\$ 46,622.86
Estimated Project Cost:	\$	312,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	372
Medium	1,593
Low	2,284
Compliant	832
Total	5,082

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 71st Street South (H) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,742	SY	\$ 10.00	\$ 17,420.00
2	CONCRETE SIDEWALK (SD-1)	1,742	SY	\$ 80.00	\$ 139,360.00
3	REMOVAL OF PAVEMENT	450	SY	\$ 10.00	\$ 4,500.00
4	CONCRETE DRIVEWAY	75	CY	\$ 500.00	\$ 37,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	199,280.00
Engineering: (% +/-)	15%	\$ 30,308.57
Contingency: (% +/-)	20%	\$ 40,411.43
Estimated Project Cost:	\$	270,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	442
Medium	962
Low	2,259
Compliant	1,403
Total	5,065

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 7th Street (Kenosha to Lawton) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,892	SY	\$ 10.00	\$ 28,920.00
2	CONCRETE SIDEWALK (SD-1)	2,909	SY	\$ 80.00	\$ 232,720.00
3	REMOVAL OF PAVEMENT	862	SY	\$ 10.00	\$ 8,620.00
4	CONCRETE DRIVEWAY	144	CY	\$ 500.00	\$ 72,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	342,760.00
Engineering: (% +/-)	15%	\$ 51,531.43
Contingency: (% +/-)	20%	\$ 68,708.57
Estimated Project Cost:	\$	463,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	791
Medium	960
Low	2,052
Compliant	2,006
Total	5,809

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 7th Street (Kenosha to Lawton) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,729	SY	\$ 10.00	\$ 27,290.00
2	CONCRETE SIDEWALK (SD-1)	2,729	SY	\$ 80.00	\$ 218,320.00
3	REMOVAL OF PAVEMENT	800	SY	\$ 10.00	\$ 8,000.00
4	CONCRETE DRIVEWAY	134	CY	\$ 500.00	\$ 67,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	320,610.00
Engineering: (% +/-)	15%	\$ 48,167.14
Contingency: (% +/-)	20%	\$ 64,222.86
Estimated Project Cost:	\$	433,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	832
Medium	1,100
Low	1,595
Compliant	2,229
Total	5,756

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (A) (Riverside to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	547	SY	\$ 10.00	\$ 5,470.00
2	CONCRETE SIDEWALK (SD-1)	547	SY	\$ 80.00	\$ 43,760.00
3	REMOVAL OF PAVEMENT	200	SY	\$ 10.00	\$ 2,000.00
4	CONCRETE DRIVEWAY	34	CY	\$ 500.00	\$ 17,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	68,230.00
Engineering: (% +/-)	15%	\$ 10,615.71
Contingency: (% +/-)	20%	\$ 14,154.29
Estimated Project Cost:	\$	93,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	30
Medium	120
Low	837
Compliant	1,127
Total	2,114

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (A) (Riverside to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	427	SY	\$ 10.00	\$ 4,270.00
2	CONCRETE SIDEWALK (SD-1)	427	SY	\$ 80.00	\$ 34,160.00
3	REMOVAL OF PAVEMENT	106	SY	\$ 10.00	\$ 1,060.00
4	CONCRETE DRIVEWAY	18	CY	\$ 500.00	\$ 9,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	48,490.00
Engineering: (% +/-)	15%	\$ 7,504.29
Contingency: (% +/-)	20%	\$ 10,005.71
Estimated Project Cost:	\$	66,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	87
Medium	48
Low	689
Compliant	1,265
Total	2,089

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (B) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,068	SY	\$ 10.00	\$ 10,680.00
2	CONCRETE SIDEWALK (SD-1)	1,803	SY	\$ 80.00	\$ 144,240.00
3	REMOVAL OF PAVEMENT	17	SY	\$ 10.00	\$ 170.00
4	CONCRETE DRIVEWAY	3	CY	\$ 500.00	\$ 1,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	156,590.00
Engineering: (% +/-)	15%	\$ 23,747.14
Contingency: (% +/-)	20%	\$ 31,662.86
Estimated Project Cost:	\$	212,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	3
Medium	321
Low	2,920
Compliant	1,893
Total	5,137

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (B) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,007	SY	\$ 10.00	\$ 10,070.00
2	CONCRETE SIDEWALK (SD-1)	1,750	SY	\$ 80.00	\$ 140,000.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	162,350.00
Engineering: (% +/-)	15%	\$ 24,707.14
Contingency: (% +/-)	20%	\$ 32,942.86
Estimated Project Cost:	\$	220,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	167
Medium	376
Low	2,675
Compliant	1,945
Total	5,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (C) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44	SY	\$ 10.00	\$ 440.00
2	CONCRETE SIDEWALK (SD-1)	2,558	SY	\$ 80.00	\$ 204,640.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	205,080.00
Engineering: (% +/-)	15%	\$ 30,822.86
Contingency: (% +/-)	20%	\$ 41,097.14
Estimated Project Cost:	\$	277,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	10
Low	4,593
Compliant	533
Total	5,136

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (C) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	567	SY	\$ 10.00	\$ 5,670.00
2	CONCRETE SIDEWALK (SD-1)	2,478	SY	\$ 80.00	\$ 198,240.00
3	REMOVAL OF PAVEMENT	106	SY	\$ 10.00	\$ 1,060.00
4	CONCRETE DRIVEWAY	18	CY	\$ 500.00	\$ 9,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	213,970.00
Engineering: (% +/-)	15%	\$ 32,155.71
Contingency: (% +/-)	20%	\$ 42,874.29
Estimated Project Cost:	\$	289,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	182
Medium	243
Low	4,132
Compliant	579
Total	5,136

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (D) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	167	SY	\$ 10.00	\$ 1,670.00
2	CONCRETE SIDEWALK (SD-1)	2,554	SY	\$ 80.00	\$ 204,320.00
3	REMOVAL OF PAVEMENT	156	SY	\$ 10.00	\$ 1,560.00
4	CONCRETE DRIVEWAY	26	CY	\$ 500.00	\$ 13,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	220,550.00
Engineering: (% +/-)	15%	\$ 33,192.86
Contingency: (% +/-)	20%	\$ 44,257.14
Estimated Project Cost:	\$	298,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	94
Medium	70
Low	4,555
Compliant	436
Total	5,155

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (D) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	191	SY	\$ 10.00	\$ 1,910.00
2	CONCRETE SIDEWALK (SD-1)	2,526	SY	\$ 80.00	\$ 202,080.00
3	REMOVAL OF PAVEMENT	39	SY	\$ 10.00	\$ 390.00
4	CONCRETE DRIVEWAY	7	CY	\$ 500.00	\$ 3,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	207,880.00
Engineering: (% +/-)	15%	\$ 31,337.14
Contingency: (% +/-)	20%	\$ 41,782.86
Estimated Project Cost:	\$	281,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	248
Medium	112
Low	4,429
Compliant	363
Total	5,152

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (E) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,535	SY	\$ 10.00	\$ 15,350.00
2	CONCRETE SIDEWALK (SD-1)	1,535	SY	\$ 80.00	\$ 122,800.00
3	REMOVAL OF PAVEMENT	206	SY	\$ 10.00	\$ 2,060.00
4	CONCRETE DRIVEWAY	35	CY	\$ 500.00	\$ 17,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	157,710.00
Engineering: (% +/-)	15%	\$ 23,695.71
Contingency: (% +/-)	20%	\$ 31,594.29
Estimated Project Cost:	\$	213,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	445
Low	2,420
Compliant	2,221
Total	5,086

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (E) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,546	SY	\$ 10.00	\$ 15,460.00
2	CONCRETE SIDEWALK (SD-1)	1,546	SY	\$ 80.00	\$ 123,680.00
3	REMOVAL OF PAVEMENT	50	SY	\$ 10.00	\$ 500.00
4	CONCRETE DRIVEWAY	9	CY	\$ 500.00	\$ 4,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	144,140.00
Engineering: (% +/-)	15%	\$ 21,797.14
Contingency: (% +/-)	20%	\$ 29,062.86
Estimated Project Cost:	\$	195,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	2,801
Compliant	2,286
Total	5,087

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (F) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,425	SY	\$ 10.00	\$ 14,250.00
2	CONCRETE SIDEWALK (SD-1)	1,425	SY	\$ 80.00	\$ 114,000.00
3	REMOVAL OF PAVEMENT	178	SY	\$ 10.00	\$ 1,780.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	145,030.00
Engineering: (% +/-)	15%	\$ 21,844.29
Contingency: (% +/-)	20%	\$ 29,125.71
Estimated Project Cost:	\$	196,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	153
Medium	299
Low	1,972
Compliant	2,640
Total	5,063

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (F) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,312	SY	\$ 10.00	\$ 23,120.00
2	CONCRETE SIDEWALK (SD-1)	2,312	SY	\$ 80.00	\$ 184,960.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	220,200.00
Engineering: (% +/-)	15%	\$ 33,342.86
Contingency: (% +/-)	20%	\$ 44,457.14
Estimated Project Cost:	\$	298,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	72
Medium	543
Low	2,840
Compliant	1,623
Total	5,078

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (G) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	172	SY	\$ 10.00	\$ 1,720.00
2	CONCRETE SIDEWALK (SD-1)	2,731	SY	\$ 80.00	\$ 218,480.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,700.00
Engineering: (% +/-)	15%	\$ 34,842.86
Contingency: (% +/-)	20%	\$ 46,457.14
Estimated Project Cost:	\$	311,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	30
Medium	66
Low	4,901
Compliant	127
Total	5,124

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 81st Street South (G) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	51	SY	\$ 10.00	\$ 510.00
2	CONCRETE SIDEWALK (SD-1)	2,693	SY	\$ 80.00	\$ 215,440.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	216,450.00
Engineering: (% +/-)	15%	\$ 32,807.14
Contingency: (% +/-)	20%	\$ 43,742.86
Estimated Project Cost:	\$	293,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	60
Medium	0
Low	4,817
Compliant	238
Total	5,115

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 8th Street (7th to Kenosha) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,143	SY	\$ 10.00	\$ 11,430.00
2	CONCRETE SIDEWALK (SD-1)	1,188	SY	\$ 80.00	\$ 95,040.00
3	REMOVAL OF PAVEMENT	389	SY	\$ 10.00	\$ 3,890.00
4	CONCRETE DRIVEWAY	65	CY	\$ 500.00	\$ 32,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	142,860.00
Engineering: (% +/-)	15%	\$ 21,488.57
Contingency: (% +/-)	20%	\$ 28,651.43
Estimated Project Cost:	\$	193,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	427
Medium	473
Low	829
Compliant	1,855
Total	3,584

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 8th Street (7th to Kenosha) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,155	SY	\$ 10.00	\$ 11,550.00
2	CONCRETE SIDEWALK (SD-1)	1,172	SY	\$ 80.00	\$ 93,760.00
3	REMOVAL OF PAVEMENT	484	SY	\$ 10.00	\$ 4,840.00
4	CONCRETE DRIVEWAY	81	CY	\$ 500.00	\$ 40,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	151,150.00
Engineering: (% +/-)	15%	\$ 23,078.57
Contingency: (% +/-)	20%	\$ 30,771.43
Estimated Project Cost:	\$	205,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	541
Medium	336
Low	1,030
Compliant	1,683
Total	3,590

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (A) (Riverside to Delaware) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	346	SY	\$ 10.00	\$ 3,460.00
2	CONCRETE SIDEWALK (SD-1)	346	SY	\$ 80.00	\$ 27,680.00
3	REMOVAL OF PAVEMENT	145	SY	\$ 10.00	\$ 1,450.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	45,090.00
Engineering: (% +/-)	15%	\$ 6,818.57
Contingency: (% +/-)	20%	\$ 9,091.43
Estimated Project Cost:	\$	61,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	125
Medium	72
Low	604
Compliant	619
Total	1,420

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (A) (Riverside to Delaware) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	292	SY	\$ 10.00	\$ 2,920.00
2	CONCRETE SIDEWALK (SD-1)	292	SY	\$ 80.00	\$ 23,360.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	36,900.00
Engineering: (% +/-)	15%	\$ 5,614.29
Contingency: (% +/-)	20%	\$ 7,485.71
Estimated Project Cost:	\$	50,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5
Medium	167
Low	464
Compliant	718
Total	1,354

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (B) (Delaware to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	157	SY	\$ 10.00	\$ 1,570.00
2	CONCRETE SIDEWALK (SD-1)	1,191	SY	\$ 80.00	\$ 95,280.00
3	REMOVAL OF PAVEMENT	84	SY	\$ 10.00	\$ 840.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	104,690.00
Engineering: (% +/-)	15%	\$ 15,990.00
Contingency: (% +/-)	20%	\$ 21,320.00
Estimated Project Cost:	\$	142,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	55
Medium	85
Low	2,146
Compliant	240
Total	2,527

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (B) (Delaware to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	188	SY	\$ 10.00	\$ 1,880.00
2	CONCRETE SIDEWALK (SD-1)	1,222	SY	\$ 80.00	\$ 97,760.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	110,260.00
Engineering: (% +/-)	15%	\$ 16,602.86
Contingency: (% +/-)	20%	\$ 22,137.14
Estimated Project Cost:	\$	149,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	162
Medium	232
Low	1,988
Compliant	135
Total	2,517

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (C) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	439	SY	\$ 10.00	\$ 4,390.00
2	CONCRETE SIDEWALK (SD-1)	2,324	SY	\$ 80.00	\$ 185,920.00
3	REMOVAL OF PAVEMENT	84	SY	\$ 10.00	\$ 840.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	198,150.00
Engineering: (% +/-)	15%	\$ 29,935.71
Contingency: (% +/-)	20%	\$ 39,914.29
Estimated Project Cost:	\$	268,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	176
Medium	408
Low	3,856
Compliant	697
Total	5,138

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (C) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	71	SY	\$ 10.00	\$ 710.00
2	CONCRETE SIDEWALK (SD-1)	2,762	SY	\$ 80.00	\$ 220,960.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	221,670.00
Engineering: (% +/-)	15%	\$ 33,570.00
Contingency: (% +/-)	20%	\$ 44,760.00
Estimated Project Cost:	\$	300,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,971
Compliant	182
Total	5,153

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (D) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	277	SY	\$ 10.00	\$ 2,770.00
2	CONCRETE SIDEWALK (SD-1)	2,789	SY	\$ 80.00	\$ 223,120.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	231,450.00
Engineering: (% +/-)	15%	\$ 34,950.00
Contingency: (% +/-)	20%	\$ 46,600.00
Estimated Project Cost:	\$	313,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	131
Low	4,938
Compliant	79
Total	5,148

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (D) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	110	SY	\$ 10.00	\$ 1,100.00
2	CONCRETE SIDEWALK (SD-1)	2,452	SY	\$ 80.00	\$ 196,160.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	204,540.00
Engineering: (% +/-)	15%	\$ 31,054.29
Contingency: (% +/-)	20%	\$ 41,405.71
Estimated Project Cost:	\$	277,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	70
Medium	0
Low	4,398
Compliant	684
Total	5,152

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (E) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	189	SY	\$ 10.00	\$ 1,890.00
2	CONCRETE SIDEWALK (SD-1)	2,769	SY	\$ 80.00	\$ 221,520.00
3	REMOVAL OF PAVEMENT	62	SY	\$ 10.00	\$ 620.00
4	CONCRETE DRIVEWAY	11	CY	\$ 500.00	\$ 5,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,530.00
Engineering: (% +/-)	15%	\$ 34,487.14
Contingency: (% +/-)	20%	\$ 45,982.86
Estimated Project Cost:	\$	310,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	55
Low	4,914
Compliant	66
Total	5,035

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (E) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	70	SY	\$ 10.00	\$ 700.00
2	CONCRETE SIDEWALK (SD-1)	2,658	SY	\$ 80.00	\$ 212,640.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	213,340.00
Engineering: (% +/-)	15%	\$ 32,425.71
Contingency: (% +/-)	20%	\$ 43,234.29
Estimated Project Cost:	\$	289,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	4,783
Compliant	252
Total	5,035

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (F) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,846	SY	\$ 80.00	\$ 227,680.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,680.00
Engineering: (% +/-)	15%	\$ 34,422.86
Contingency: (% +/-)	20%	\$ 45,897.14
Estimated Project Cost:	\$	308,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	5,121
Compliant	0
Total	5,121

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (F) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,849	SY	\$ 80.00	\$ 227,920.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,920.00
Engineering: (% +/-)	15%	\$ 34,320.00
Contingency: (% +/-)	20%	\$ 45,760.00
Estimated Project Cost:	\$	308,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,128
Compliant	0
Total	5,128

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (G) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,977	SY	\$ 10.00	\$ 19,770.00
2	CONCRETE SIDEWALK (SD-1)	2,249	SY	\$ 80.00	\$ 179,920.00
3	REMOVAL OF PAVEMENT	50	SY	\$ 10.00	\$ 500.00
4	CONCRETE DRIVEWAY	9	CY	\$ 500.00	\$ 4,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	204,690.00
Engineering: (% +/-)	15%	\$ 30,990.00
Contingency: (% +/-)	20%	\$ 41,320.00
Estimated Project Cost:	\$	277,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	35
Medium	344
Low	3,628
Compliant	1,082
Total	5,089

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 91st Street South (G) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,844	SY	\$ 10.00	\$ 18,440.00
2	CONCRETE SIDEWALK (SD-1)	1,844	SY	\$ 80.00	\$ 147,520.00
3	REMOVAL OF PAVEMENT	167	SY	\$ 10.00	\$ 1,670.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	181,630.00
Engineering: (% +/-)	15%	\$ 27,587.14
Contingency: (% +/-)	20%	\$ 36,782.86
Estimated Project Cost:	\$	246,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	105
Medium	871
Low	2,299
Compliant	1,794
Total	5,069

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 9th Street (Denver to Elgin) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,431	SY	\$ 10.00	\$ 14,310.00
2	CONCRETE SIDEWALK (SD-1)	1,431	SY	\$ 80.00	\$ 114,480.00
3	REMOVAL OF PAVEMENT	339	SY	\$ 10.00	\$ 3,390.00
4	CONCRETE DRIVEWAY	57	CY	\$ 500.00	\$ 28,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	160,680.00
Engineering: (% +/-)	15%	\$ 24,137.14
Contingency: (% +/-)	20%	\$ 32,182.86
Estimated Project Cost:	\$	217,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	331
Medium	404
Low	904
Compliant	1,141
Total	2,779

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: 9th Street (Denver to Elgin) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	962	SY	\$ 10.00	\$ 9,620.00
2	CONCRETE SIDEWALK (SD-1)	962	SY	\$ 80.00	\$ 76,960.00
3	REMOVAL OF PAVEMENT	373	SY	\$ 10.00	\$ 3,730.00
4	CONCRETE DRIVEWAY	63	CY	\$ 500.00	\$ 31,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	121,810.00
Engineering: (% +/-)	15%	\$ 18,510.00
Contingency: (% +/-)	20%	\$ 24,680.00
Estimated Project Cost:	\$	165,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	180
Medium	305
Low	743
Compliant	1,584
Total	2,812

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (A) (Peoria to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,820	SY	\$ 10.00	\$ 18,200.00
2	CONCRETE SIDEWALK (SD-1)	1,967	SY	\$ 80.00	\$ 157,360.00
3	REMOVAL OF PAVEMENT	939	SY	\$ 10.00	\$ 9,390.00
4	CONCRETE DRIVEWAY	157	CY	\$ 500.00	\$ 78,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	265,450.00
Engineering: (% +/-)	15%	\$ 40,092.86
Contingency: (% +/-)	20%	\$ 53,457.14
Estimated Project Cost:	\$	359,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,669
Medium	1,374
Low	1,212
Compliant	903
Total	5,158

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (B) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,811	SY	\$ 10.00	\$ 18,110.00
2	CONCRETE SIDEWALK (SD-1)	1,811	SY	\$ 80.00	\$ 144,880.00
3	REMOVAL OF PAVEMENT	1,534	SY	\$ 10.00	\$ 15,340.00
4	CONCRETE DRIVEWAY	256	CY	\$ 500.00	\$ 128,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	306,830.00
Engineering: (% +/-)	15%	\$ 46,358.57
Contingency: (% +/-)	20%	\$ 61,811.43
Estimated Project Cost:	\$	415,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,229
Medium	815
Low	1,672
Compliant	1,482
Total	5,197

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (B) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	600	SY	\$ 10.00	\$ 6,000.00
2	CONCRETE SIDEWALK (SD-1)	600	SY	\$ 80.00	\$ 48,000.00
3	REMOVAL OF PAVEMENT	634	SY	\$ 10.00	\$ 6,340.00
4	CONCRETE DRIVEWAY	106	CY	\$ 500.00	\$ 53,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	113,340.00
Engineering: (% +/-)	15%	\$ 17,425.71
Contingency: (% +/-)	20%	\$ 23,234.29
Estimated Project Cost:	\$	154,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	606
Medium	473
Low	553
Compliant	1,096
Total	2,727

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (C) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	757	SY	\$ 10.00	\$ 7,570.00
2	CONCRETE SIDEWALK (SD-1)	815	SY	\$ 80.00	\$ 65,200.00
3	REMOVAL OF PAVEMENT	845	SY	\$ 10.00	\$ 8,450.00
4	CONCRETE DRIVEWAY	141	CY	\$ 500.00	\$ 70,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	151,720.00
Engineering: (% +/-)	15%	\$ 22,834.29
Contingency: (% +/-)	20%	\$ 30,445.71
Estimated Project Cost:	\$	205,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	625
Medium	544
Low	929
Compliant	3,064
Total	5,162

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (C) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,227	SY	\$ 10.00	\$ 22,270.00
2	CONCRETE SIDEWALK (SD-1)	2,227	SY	\$ 80.00	\$ 178,160.00
3	REMOVAL OF PAVEMENT	1,262	SY	\$ 10.00	\$ 12,620.00
4	CONCRETE DRIVEWAY	211	CY	\$ 500.00	\$ 105,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	319,050.00
Engineering: (% +/-)	15%	\$ 47,978.57
Contingency: (% +/-)	20%	\$ 63,971.43
Estimated Project Cost:	\$	431,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,417
Medium	890
Low	1,301
Compliant	1,548
Total	5,155

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (E) (Memorial to Mingo) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,749	SY	\$ 80.00	\$ 219,920.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	219,920.00
Engineering: (% +/-)	15%	\$ 33,034.29
Contingency: (% +/-)	20%	\$ 44,045.71
Estimated Project Cost:	\$	297,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	4,948
Compliant	0
Total	4,948

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (E) (Memorial to Mingo) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,734	SY	\$ 80.00	\$ 218,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	218,720.00
Engineering: (% +/-)	15%	\$ 33,120.00
Contingency: (% +/-)	20%	\$ 44,160.00
Estimated Project Cost:	\$	296,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	4,921
Compliant	30
Total	4,951

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (F) (Mingo to Garnett) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	351	SY	\$ 10.00	\$ 3,510.00
2	CONCRETE SIDEWALK (SD-1)	2,557	SY	\$ 80.00	\$ 204,560.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	215,350.00
Engineering: (% +/-)	15%	\$ 32,421.43
Contingency: (% +/-)	20%	\$ 43,228.57
Estimated Project Cost:	\$	291,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5
Medium	56
Low	4,556
Compliant	202
Total	4,819

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (F) (Mingo to Garnett) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,633	SY	\$ 80.00	\$ 210,640.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	210,640.00
Engineering: (% +/-)	15%	\$ 31,868.57
Contingency: (% +/-)	20%	\$ 42,491.43
Estimated Project Cost:	\$	285,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,739
Compliant	82
Total	4,821

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (G) (Garnett to 129th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	690	SY	\$ 10.00	\$ 6,900.00
2	CONCRETE SIDEWALK (SD-1)	2,375	SY	\$ 80.00	\$ 190,000.00
3	REMOVAL OF PAVEMENT	184	SY	\$ 10.00	\$ 1,840.00
4	CONCRETE DRIVEWAY	31	CY	\$ 500.00	\$ 15,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	214,240.00
Engineering: (% +/-)	15%	\$ 32,468.57
Contingency: (% +/-)	20%	\$ 43,291.43
Estimated Project Cost:	\$	290,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	486
Medium	345
Low	3,658
Compliant	665
Total	5,154

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (G) (Garnett to 129th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	220	SY	\$ 10.00	\$ 2,200.00
2	CONCRETE SIDEWALK (SD-1)	2,341	SY	\$ 80.00	\$ 187,280.00
3	REMOVAL OF PAVEMENT	134	SY	\$ 10.00	\$ 1,340.00
4	CONCRETE DRIVEWAY	23	CY	\$ 500.00	\$ 11,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	202,320.00
Engineering: (% +/-)	15%	\$ 30,720.00
Contingency: (% +/-)	20%	\$ 40,960.00
Estimated Project Cost:	\$	274,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	127
Medium	75
Low	4,216
Compliant	740
Total	5,158

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (H) (129th to 145th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	659	SY	\$ 10.00	\$ 6,590.00
2	CONCRETE SIDEWALK (SD-1)	2,449	SY	\$ 80.00	\$ 195,920.00
3	REMOVAL OF PAVEMENT	95	SY	\$ 10.00	\$ 950.00
4	CONCRETE DRIVEWAY	16	CY	\$ 500.00	\$ 8,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	211,960.00
Engineering: (% +/-)	15%	\$ 32,160.00
Contingency: (% +/-)	20%	\$ 42,880.00
Estimated Project Cost:	\$	287,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	86
Medium	272
Low	4,083
Compliant	767
Total	5,206

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (H) (129th to 145th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,146	SY	\$ 10.00	\$ 11,460.00
2	CONCRETE SIDEWALK (SD-1)	1,151	SY	\$ 80.00	\$ 92,080.00
3	REMOVAL OF PAVEMENT	167	SY	\$ 10.00	\$ 1,670.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	119,210.00
Engineering: (% +/-)	15%	\$ 17,910.00
Contingency: (% +/-)	20%	\$ 23,880.00
Estimated Project Cost:	\$	161,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	124
Medium	409
Low	1,715
Compliant	2,922
Total	5,169

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (J) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,834	SY	\$ 80.00	\$ 226,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,720.00
Engineering: (% +/-)	15%	\$ 34,405.71
Contingency: (% +/-)	20%	\$ 45,874.29
Estimated Project Cost:	\$	307,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,100
Compliant	0
Total	5,100

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Admiral Place (J) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,835	SY	\$ 80.00	\$ 226,800.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,800.00
Engineering: (% +/-)	15%	\$ 34,371.43
Contingency: (% +/-)	20%	\$ 45,828.57
Estimated Project Cost:	\$	307,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	5,102
Compliant	0
Total	5,102

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (A) (22' west of Osage to Cincinnati) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,242	SY	\$ 10.00	\$ 12,420.00
2	CONCRETE SIDEWALK (SD-1)	1,242	SY	\$ 80.00	\$ 99,360.00
3	REMOVAL OF PAVEMENT	45	SY	\$ 10.00	\$ 450.00
4	CONCRETE DRIVEWAY	8	CY	\$ 500.00	\$ 4,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	116,230.00
Engineering: (% +/-)	15%	\$ 17,472.86
Contingency: (% +/-)	20%	\$ 23,297.14
Estimated Project Cost:	\$	157,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	37
Medium	461
Low	1,492
Compliant	1,942
Total	3,933

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (A) (22' west of Osage to Cincinnati) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,892	SY	\$ 10.00	\$ 18,920.00
2	CONCRETE SIDEWALK (SD-1)	1,892	SY	\$ 80.00	\$ 151,360.00
3	REMOVAL OF PAVEMENT	45	SY	\$ 10.00	\$ 450.00
4	CONCRETE DRIVEWAY	8	CY	\$ 500.00	\$ 4,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	175,230.00
Engineering: (% +/-)	15%	\$ 26,472.86
Contingency: (% +/-)	20%	\$ 35,297.14
Estimated Project Cost:	\$	237,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	150
Medium	305
Low	2,640
Compliant	819
Total	3,913

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (B) (Cincinnati to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	777	SY	\$ 10.00	\$ 7,770.00
2	CONCRETE SIDEWALK (SD-1)	2,502	SY	\$ 80.00	\$ 200,160.00
3	REMOVAL OF PAVEMENT	250	SY	\$ 10.00	\$ 2,500.00
4	CONCRETE DRIVEWAY	42	CY	\$ 500.00	\$ 21,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	231,430.00
Engineering: (% +/-)	15%	\$ 34,958.57
Contingency: (% +/-)	20%	\$ 46,611.43
Estimated Project Cost:	\$	313,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	167
Medium	322
Low	3,667
Compliant	931
Total	5,087

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (B) (Cincinnati to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,533	SY	\$ 10.00	\$ 15,330.00
2	CONCRETE SIDEWALK (SD-1)	1,542	SY	\$ 80.00	\$ 123,360.00
3	REMOVAL OF PAVEMENT	595	SY	\$ 10.00	\$ 5,950.00
4	CONCRETE DRIVEWAY	100	CY	\$ 500.00	\$ 50,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	194,640.00
Engineering: (% +/-)	15%	\$ 29,297.14
Contingency: (% +/-)	20%	\$ 39,062.86
Estimated Project Cost:	\$	263,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	690
Medium	604
Low	1,943
Compliant	1,756
Total	4,993

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (C) (Peoria to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,321	SY	\$ 10.00	\$ 13,210.00
2	CONCRETE SIDEWALK (SD-1)	1,335	SY	\$ 80.00	\$ 106,800.00
3	REMOVAL OF PAVEMENT	467	SY	\$ 10.00	\$ 4,670.00
4	CONCRETE DRIVEWAY	78	CY	\$ 500.00	\$ 39,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	164,180.00
Engineering: (% +/-)	15%	\$ 24,780.00
Contingency: (% +/-)	20%	\$ 33,040.00
Estimated Project Cost:	\$	222,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	681
Medium	531
Low	1,162
Compliant	2,771
Total	5,144

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (C) (Peoria to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,280	SY	\$ 10.00	\$ 12,800.00
2	CONCRETE SIDEWALK (SD-1)	1,280	SY	\$ 80.00	\$ 102,400.00
3	REMOVAL OF PAVEMENT	628	SY	\$ 10.00	\$ 6,280.00
4	CONCRETE DRIVEWAY	105	CY	\$ 500.00	\$ 52,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	173,980.00
Engineering: (% +/-)	15%	\$ 26,151.43
Contingency: (% +/-)	20%	\$ 34,868.57
Estimated Project Cost:	\$	235,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	799
Medium	486
Low	1,424
Compliant	2,416
Total	5,125

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (D) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	400	SY	\$ 10.00	\$ 4,000.00
2	CONCRETE SIDEWALK (SD-1)	2,554	SY	\$ 80.00	\$ 204,320.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	218,320.00
Engineering: (% +/-)	15%	\$ 32,862.86
Contingency: (% +/-)	20%	\$ 43,817.14
Estimated Project Cost:	\$	295,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	60
Medium	344
Low	4,115
Compliant	626
Total	5,144

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (D) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	605	SY	\$ 10.00	\$ 6,050.00
2	CONCRETE SIDEWALK (SD-1)	2,290	SY	\$ 80.00	\$ 183,200.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	199,870.00
Engineering: (% +/-)	15%	\$ 30,055.71
Contingency: (% +/-)	20%	\$ 40,074.29
Estimated Project Cost:	\$	270,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	178
Medium	380
Low	3,756
Compliant	864
Total	5,177

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (E) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	440	SY	\$ 10.00	\$ 4,400.00
2	CONCRETE SIDEWALK (SD-1)	2,665	SY	\$ 80.00	\$ 213,200.00
3	REMOVAL OF PAVEMENT	89	SY	\$ 10.00	\$ 890.00
4	CONCRETE DRIVEWAY	15	CY	\$ 500.00	\$ 7,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,490.00
Engineering: (% +/-)	15%	\$ 34,075.71
Contingency: (% +/-)	20%	\$ 45,434.29
Estimated Project Cost:	\$	306,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	10
Medium	102
Low	4,631
Compliant	400
Total	5,143

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (E) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	213	SY	\$ 10.00	\$ 2,130.00
2	CONCRETE SIDEWALK (SD-1)	2,636	SY	\$ 80.00	\$ 210,880.00
3	REMOVAL OF PAVEMENT	178	SY	\$ 10.00	\$ 1,780.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,790.00
Engineering: (% +/-)	15%	\$ 34,804.29
Contingency: (% +/-)	20%	\$ 46,405.71
Estimated Project Cost:	\$	311,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	139
Medium	165
Low	4,547
Compliant	307
Total	5,159

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (F) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	657	SY	\$ 10.00	\$ 6,570.00
2	CONCRETE SIDEWALK (SD-1)	2,093	SY	\$ 80.00	\$ 167,440.00
3	REMOVAL OF PAVEMENT	123	SY	\$ 10.00	\$ 1,230.00
4	CONCRETE DRIVEWAY	21	CY	\$ 500.00	\$ 10,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	185,740.00
Engineering: (% +/-)	15%	\$ 27,968.57
Contingency: (% +/-)	20%	\$ 37,291.43
Estimated Project Cost:	\$	251,000.00

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Project Location

Project Details

Priority	Length (LF)
High	165
Medium	426
Low	3,229
Compliant	1,344
Total	5,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Apache Street (F) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	581	SY	\$ 10.00	\$ 5,810.00
2	CONCRETE SIDEWALK (SD-1)	2,082	SY	\$ 80.00	\$ 166,560.00
3	REMOVAL OF PAVEMENT	162	SY	\$ 10.00	\$ 1,620.00
4	CONCRETE DRIVEWAY	27	CY	\$ 500.00	\$ 13,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	187,490.00
Engineering: (% +/-)	15%	\$ 28,504.29
Contingency: (% +/-)	20%	\$ 38,005.71
Estimated Project Cost:	\$	254,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	167
Medium	354
Low	3,348
Compliant	1,281
Total	5,150

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Archer Street (Lawton to I-244) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,811	SY	\$ 10.00	\$ 28,110.00
2	CONCRETE SIDEWALK (SD-1)	2,922	SY	\$ 80.00	\$ 233,760.00
3	REMOVAL OF PAVEMENT	473	SY	\$ 10.00	\$ 4,730.00
4	CONCRETE DRIVEWAY	79	CY	\$ 500.00	\$ 39,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	306,100.00
Engineering: (% +/-)	15%	\$ 46,242.86
Contingency: (% +/-)	20%	\$ 61,657.14
Estimated Project Cost:	\$	414,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	475
Medium	713
Low	1,418
Compliant	2,298
Total	4,904

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Archer Street (Lawton to I-244) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,665	SY	\$ 10.00	\$ 26,650.00
2	CONCRETE SIDEWALK (SD-1)	2,665	SY	\$ 80.00	\$ 213,200.00
3	REMOVAL OF PAVEMENT	796	SY	\$ 10.00	\$ 7,960.00
4	CONCRETE DRIVEWAY	133	CY	\$ 500.00	\$ 66,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	314,310.00
Engineering: (% +/-)	15%	\$ 47,438.57
Contingency: (% +/-)	20%	\$ 63,251.43
Estimated Project Cost:	\$	425,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	824
Medium	762
Low	1,230
Compliant	2,275
Total	5,091

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boston Avenue (A) (5th to Hwy 64) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,400	SY	\$ 10.00	\$ 14,000.00
2	CONCRETE SIDEWALK (SD-1)	1,400	SY	\$ 80.00	\$ 112,000.00
3	REMOVAL OF PAVEMENT	423	SY	\$ 10.00	\$ 4,230.00
4	CONCRETE DRIVEWAY	71	CY	\$ 500.00	\$ 35,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	165,730.00
Engineering: (% +/-)	15%	\$ 24,972.86
Contingency: (% +/-)	20%	\$ 33,297.14
Estimated Project Cost:	\$	224,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	245
Medium	404
Low	915
Compliant	1,842
Total	3,406

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boston Avenue (A) (5th to Hwy 64) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,856	SY	\$ 10.00	\$ 18,560.00
2	CONCRETE SIDEWALK (SD-1)	1,856	SY	\$ 80.00	\$ 148,480.00
3	REMOVAL OF PAVEMENT	312	SY	\$ 10.00	\$ 3,120.00
4	CONCRETE DRIVEWAY	52	CY	\$ 500.00	\$ 26,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	196,160.00
Engineering: (% +/-)	15%	\$ 29,502.86
Contingency: (% +/-)	20%	\$ 39,337.14
Estimated Project Cost:	\$	265,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	293
Medium	331
Low	1,305
Compliant	1,331
Total	3,261

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boston Avenue (B) (3rd to 5th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	735	SY	\$ 10.00	\$ 7,350.00
2	CONCRETE SIDEWALK (SD-1)	735	SY	\$ 80.00	\$ 58,800.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	66,150.00
Engineering: (% +/-)	15%	\$ 10,221.43
Contingency: (% +/-)	20%	\$ 13,628.57
Estimated Project Cost:	\$	90,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	46
Low	329
Compliant	325
Total	700

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boston Avenue (B) (3rd to 5th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	486	SY	\$ 10.00	\$ 4,860.00
2	CONCRETE SIDEWALK (SD-1)	486	SY	\$ 80.00	\$ 38,880.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	43,740.00
Engineering: (% +/-)	15%	\$ 6,968.57
Contingency: (% +/-)	20%	\$ 9,291.43
Estimated Project Cost:	\$	60,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	219
Compliant	477
Total	696

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boston Avenue (C) (Fairview to Archer) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	155	SY	\$ 10.00	\$ 1,550.00
2	CONCRETE SIDEWALK (SD-1)	238	SY	\$ 80.00	\$ 19,040.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	22,090.00
Engineering: (% +/-)	15%	\$ 3,390.00
Contingency: (% +/-)	20%	\$ 4,520.00
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	119
Medium	0
Low	236
Compliant	390
Total	746

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boston Avenue (C) (Fairview to Archer) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	345	SY	\$ 10.00	\$ 3,450.00
2	CONCRETE SIDEWALK (SD-1)	442	SY	\$ 80.00	\$ 35,360.00
3	REMOVAL OF PAVEMENT	397	SY	\$ 10.00	\$ 3,970.00
4	CONCRETE DRIVEWAY	67	CY	\$ 500.00	\$ 33,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	76,280.00
Engineering: (% +/-)	15%	\$ 11,451.43
Contingency: (% +/-)	20%	\$ 15,268.57
Estimated Project Cost:	\$	103,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	281
Medium	192
Low	523
Compliant	1,043
Total	2,038

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boulder Avenue (A) (1st to Hwy 64) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,361	SY	\$ 10.00	\$ 23,610.00
2	CONCRETE SIDEWALK (SD-1)	2,361	SY	\$ 80.00	\$ 188,880.00
3	REMOVAL OF PAVEMENT	689	SY	\$ 10.00	\$ 6,890.00
4	CONCRETE DRIVEWAY	115	CY	\$ 500.00	\$ 57,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	276,880.00
Engineering: (% +/-)	15%	\$ 41,622.86
Contingency: (% +/-)	20%	\$ 55,497.14
Estimated Project Cost:	\$	374,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	349
Medium	455
Low	1,621
Compliant	1,790
Total	4,214

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boulder Avenue (A) (1st to Hwy 64) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,708	SY	\$ 10.00	\$ 17,080.00
2	CONCRETE SIDEWALK (SD-1)	1,708	SY	\$ 80.00	\$ 136,640.00
3	REMOVAL OF PAVEMENT	350	SY	\$ 10.00	\$ 3,500.00
4	CONCRETE DRIVEWAY	59	CY	\$ 500.00	\$ 29,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	186,720.00
Engineering: (% +/-)	15%	\$ 28,405.71
Contingency: (% +/-)	20%	\$ 37,874.29
Estimated Project Cost:	\$	253,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	184
Medium	260
Low	1,323
Compliant	2,447
Total	4,215

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boulder Avenue (B) (Fairview to Archer) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	562	SY	\$ 10.00	\$ 5,620.00
2	CONCRETE SIDEWALK (SD-1)	662	SY	\$ 80.00	\$ 52,960.00
3	REMOVAL OF PAVEMENT	400	SY	\$ 10.00	\$ 4,000.00
4	CONCRETE DRIVEWAY	67	CY	\$ 500.00	\$ 33,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	96,080.00
Engineering: (% +/-)	15%	\$ 14,537.14
Contingency: (% +/-)	20%	\$ 19,382.86
Estimated Project Cost:	\$	130,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	355
Medium	143
Low	674
Compliant	858
Total	2,030

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Boulder Avenue (B) (Fairview to Archer) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	414	SY	\$ 10.00	\$ 4,140.00
2	CONCRETE SIDEWALK (SD-1)	414	SY	\$ 80.00	\$ 33,120.00
3	REMOVAL OF PAVEMENT	212	SY	\$ 10.00	\$ 2,120.00
4	CONCRETE DRIVEWAY	36	CY	\$ 500.00	\$ 18,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	57,880.00
Engineering: (% +/-)	15%	\$ 9,051.43
Contingency: (% +/-)	20%	\$ 12,068.57
Estimated Project Cost:	\$	79,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	320
Medium	254
Low	365
Compliant	1,060
Total	1,999

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Brady Avenue (Denver to Elgin) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,187	SY	\$ 10.00	\$ 11,870.00
2	CONCRETE SIDEWALK (SD-1)	1,187	SY	\$ 80.00	\$ 94,960.00
3	REMOVAL OF PAVEMENT	456	SY	\$ 10.00	\$ 4,560.00
4	CONCRETE DRIVEWAY	76	CY	\$ 500.00	\$ 38,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	149,390.00
Engineering: (% +/-)	15%	\$ 22,547.14
Contingency: (% +/-)	20%	\$ 30,062.86
Estimated Project Cost:	\$	202,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	737
Medium	383
Low	594
Compliant	897
Total	2,611

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Brady Avenue (Denver to Elgin) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	393	SY	\$ 10.00	\$ 3,930.00
2	CONCRETE SIDEWALK (SD-1)	488	SY	\$ 80.00	\$ 39,040.00
3	REMOVAL OF PAVEMENT	450	SY	\$ 10.00	\$ 4,500.00
4	CONCRETE DRIVEWAY	75	CY	\$ 500.00	\$ 37,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	84,970.00
Engineering: (% +/-)	15%	\$ 12,870.00
Contingency: (% +/-)	20%	\$ 17,160.00
Estimated Project Cost:	\$	115,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	270
Medium	115
Low	730
Compliant	1,477
Total	2,591

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cameron Street (Denver to Detroit) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	329	SY	\$ 10.00	\$ 3,290.00
2	CONCRETE SIDEWALK (SD-1)	596	SY	\$ 80.00	\$ 47,680.00
3	REMOVAL OF PAVEMENT	428	SY	\$ 10.00	\$ 4,280.00
4	CONCRETE DRIVEWAY	72	CY	\$ 500.00	\$ 36,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	91,750.00
Engineering: (% +/-)	15%	\$ 13,821.43
Contingency: (% +/-)	20%	\$ 18,428.57
Estimated Project Cost:	\$	124,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	230
Medium	345
Low	747
Compliant	879
Total	2,201

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cameron Street (Denver to Detroit) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	352	SY	\$ 10.00	\$ 3,520.00
2	CONCRETE SIDEWALK (SD-1)	352	SY	\$ 80.00	\$ 28,160.00
3	REMOVAL OF PAVEMENT	245	SY	\$ 10.00	\$ 2,450.00
4	CONCRETE DRIVEWAY	41	CY	\$ 500.00	\$ 20,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	54,630.00
Engineering: (% +/-)	15%	\$ 8,301.43
Contingency: (% +/-)	20%	\$ 11,068.57
Estimated Project Cost:	\$	74,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	87
Medium	116
Low	669
Compliant	1,350
Total	2,222

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (A) (65th to 49th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	516	SY	\$ 10.00	\$ 5,160.00
2	CONCRETE SIDEWALK (SD-1)	516	SY	\$ 80.00	\$ 41,280.00
3	REMOVAL OF PAVEMENT	1,362	SY	\$ 10.00	\$ 13,620.00
4	CONCRETE DRIVEWAY	227	CY	\$ 500.00	\$ 113,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	173,560.00
Engineering: (% +/-)	15%	\$ 26,331.43
Contingency: (% +/-)	20%	\$ 35,108.57
Estimated Project Cost:	\$	235,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,131
Medium	292
Low	880
Compliant	3,001
Total	5,304

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (B) (49th to Railroad Tracks) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	601	SY	\$ 10.00	\$ 6,010.00
2	CONCRETE SIDEWALK (SD-1)	618	SY	\$ 80.00	\$ 49,440.00
3	REMOVAL OF PAVEMENT	912	SY	\$ 10.00	\$ 9,120.00
4	CONCRETE DRIVEWAY	152	CY	\$ 500.00	\$ 76,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	140,570.00
Engineering: (% +/-)	15%	\$ 21,184.29
Contingency: (% +/-)	20%	\$ 28,245.71
Estimated Project Cost:	\$	190,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	768
Medium	441
Low	681
Compliant	398
Total	2,288

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (B) (49th to Railroad Tracks) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,706	SY	\$ 10.00	\$ 17,060.00
2	CONCRETE SIDEWALK (SD-1)	1,706	SY	\$ 80.00	\$ 136,480.00
3	REMOVAL OF PAVEMENT	1,667	SY	\$ 10.00	\$ 16,670.00
4	CONCRETE DRIVEWAY	278	CY	\$ 500.00	\$ 139,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	309,210.00
Engineering: (% +/-)	15%	\$ 46,624.29
Contingency: (% +/-)	20%	\$ 62,165.71
Estimated Project Cost:	\$	418,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,607
Medium	1,717
Low	1,204
Compliant	1,009
Total	5,538

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (C) (Railroad Tracks to 25th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	430	SY	\$ 10.00	\$ 4,300.00
2	CONCRETE SIDEWALK (SD-1)	430	SY	\$ 80.00	\$ 34,400.00
3	REMOVAL OF PAVEMENT	717	SY	\$ 10.00	\$ 7,170.00
4	CONCRETE DRIVEWAY	120	CY	\$ 500.00	\$ 60,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	105,870.00
Engineering: (% +/-)	15%	\$ 15,912.86
Contingency: (% +/-)	20%	\$ 21,217.14
Estimated Project Cost:	\$	143,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	546
Medium	402
Low	375
Compliant	1,272
Total	2,594

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (C) (Railroad Tracks to 25th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	734	SY	\$ 10.00	\$ 7,340.00
2	CONCRETE SIDEWALK (SD-1)	734	SY	\$ 80.00	\$ 58,720.00
3	REMOVAL OF PAVEMENT	673	SY	\$ 10.00	\$ 6,730.00
4	CONCRETE DRIVEWAY	113	CY	\$ 500.00	\$ 56,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	129,290.00
Engineering: (% +/-)	15%	\$ 19,590.00
Contingency: (% +/-)	20%	\$ 26,120.00
Estimated Project Cost:	\$	175,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	809
Medium	329
Low	758
Compliant	931
Total	2,827

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (D) (Rosedale to Nogales) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	193	SY	\$ 10.00	\$ 1,930.00
2	CONCRETE SIDEWALK (SD-1)	410	SY	\$ 80.00	\$ 32,800.00
3	REMOVAL OF PAVEMENT	50	SY	\$ 10.00	\$ 500.00
4	CONCRETE DRIVEWAY	9	CY	\$ 500.00	\$ 4,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	39,730.00
Engineering: (% +/-)	15%	\$ 6,115.71
Contingency: (% +/-)	20%	\$ 8,154.29
Estimated Project Cost:	\$	54,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	37
Medium	55
Low	700
Compliant	407
Total	1,200

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (D) (Rosedale to Nogales) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	98	SY	\$ 10.00	\$ 980.00
2	CONCRETE SIDEWALK (SD-1)	98	SY	\$ 80.00	\$ 7,840.00
3	REMOVAL OF PAVEMENT	106	SY	\$ 10.00	\$ 1,060.00
4	CONCRETE DRIVEWAY	18	CY	\$ 500.00	\$ 9,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	18,880.00
Engineering: (% +/-)	15%	\$ 3,051.43
Contingency: (% +/-)	20%	\$ 4,068.57
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	30
Medium	0
Low	286
Compliant	863
Total	1,179

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (E) (25th to Rosedale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,184	SY	\$ 80.00	\$ 174,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	174,720.00
Engineering: (% +/-)	15%	\$ 26,262.86
Contingency: (% +/-)	20%	\$ 35,017.14
Estimated Project Cost:	\$	236,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	3,931
Compliant	0
Total	3,931

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Charles Page Boulevard (E) (25th to Rosedale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	23	SY	\$ 10.00	\$ 230.00
2	CONCRETE SIDEWALK (SD-1)	2,072	SY	\$ 80.00	\$ 165,760.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	179,380.00
Engineering: (% +/-)	15%	\$ 27,265.71
Contingency: (% +/-)	20%	\$ 36,354.29
Estimated Project Cost:	\$	243,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	55
Medium	40
Low	3,759
Compliant	251
Total	4,105

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cheyenne Avenue (Hwy 64 to Fairview) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	3,737	SY	\$ 10.00	\$ 37,370.00
2	CONCRETE SIDEWALK (SD-1)	3,740	SY	\$ 80.00	\$ 299,200.00
3	REMOVAL OF PAVEMENT	1,089	SY	\$ 10.00	\$ 10,890.00
4	CONCRETE DRIVEWAY	182	CY	\$ 500.00	\$ 91,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	438,460.00
Engineering: (% +/-)	15%	\$ 65,802.86
Contingency: (% +/-)	20%	\$ 87,737.14
Estimated Project Cost:	\$	592,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,051
Medium	741
Low	2,690
Compliant	2,601
Total	7,083

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cheyenne Avenue (Hwy 64 to Fairview) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,637	SY	\$ 10.00	\$ 26,370.00
2	CONCRETE SIDEWALK (SD-1)	2,642	SY	\$ 80.00	\$ 211,360.00
3	REMOVAL OF PAVEMENT	956	SY	\$ 10.00	\$ 9,560.00
4	CONCRETE DRIVEWAY	160	CY	\$ 500.00	\$ 80,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	327,290.00
Engineering: (% +/-)	15%	\$ 49,161.43
Contingency: (% +/-)	20%	\$ 65,548.57
Estimated Project Cost:	\$	442,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	703
Medium	578
Low	2,305
Compliant	3,502
Total	7,088

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (A) (Haskell to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,247	SY	\$ 10.00	\$ 12,470.00
2	CONCRETE SIDEWALK (SD-1)	1,256	SY	\$ 80.00	\$ 100,480.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	120,230.00
Engineering: (% +/-)	15%	\$ 18,330.00
Contingency: (% +/-)	20%	\$ 24,440.00
Estimated Project Cost:	\$	163,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	105
Medium	89
Low	2,126
Compliant	1,559
Total	3,878

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (A) (Haskell to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,257	SY	\$ 10.00	\$ 12,570.00
2	CONCRETE SIDEWALK (SD-1)	1,291	SY	\$ 80.00	\$ 103,280.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	128,470.00
Engineering: (% +/-)	15%	\$ 19,512.86
Contingency: (% +/-)	20%	\$ 26,017.14
Estimated Project Cost:	\$	174,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	344
Medium	392
Low	1,551
Compliant	1,927
Total	4,214

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (B) (Pine to Apache) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,672	SY	\$ 10.00	\$ 16,720.00
2	CONCRETE SIDEWALK (SD-1)	1,680	SY	\$ 80.00	\$ 134,400.00
3	REMOVAL OF PAVEMENT	467	SY	\$ 10.00	\$ 4,670.00
4	CONCRETE DRIVEWAY	78	CY	\$ 500.00	\$ 39,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	194,790.00
Engineering: (% +/-)	15%	\$ 29,232.86
Contingency: (% +/-)	20%	\$ 38,977.14
Estimated Project Cost:	\$	263,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	421
Medium	567
Low	2,131
Compliant	2,088
Total	5,206

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (B) (Pine to Apache) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,949	SY	\$ 10.00	\$ 19,490.00
2	CONCRETE SIDEWALK (SD-1)	1,949	SY	\$ 80.00	\$ 155,920.00
3	REMOVAL OF PAVEMENT	817	SY	\$ 10.00	\$ 8,170.00
4	CONCRETE DRIVEWAY	137	CY	\$ 500.00	\$ 68,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	252,580.00
Engineering: (% +/-)	15%	\$ 37,894.29
Contingency: (% +/-)	20%	\$ 50,525.71
Estimated Project Cost:	\$	341,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	920
Medium	1,446
Low	1,853
Compliant	952
Total	5,171

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (C) (Apache to 36th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	704	SY	\$ 10.00	\$ 7,040.00
2	CONCRETE SIDEWALK (SD-1)	1,243	SY	\$ 80.00	\$ 99,440.00
3	REMOVAL OF PAVEMENT	345	SY	\$ 10.00	\$ 3,450.00
4	CONCRETE DRIVEWAY	58	CY	\$ 500.00	\$ 29,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	138,930.00
Engineering: (% +/-)	15%	\$ 21,030.00
Contingency: (% +/-)	20%	\$ 28,040.00
Estimated Project Cost:	\$	188,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	329
Medium	267
Low	2,138
Compliant	2,371
Total	5,105

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (C) (Apache to 36th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	56	SY	\$ 10.00	\$ 560.00
2	CONCRETE SIDEWALK (SD-1)	2,757	SY	\$ 80.00	\$ 220,560.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,620.00
Engineering: (% +/-)	15%	\$ 34,877.14
Contingency: (% +/-)	20%	\$ 46,502.86
Estimated Project Cost:	\$	312,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	60
Medium	37
Low	4,954
Compliant	72
Total	5,123

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (D) (46th to 56th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	512	SY	\$ 10.00	\$ 5,120.00
2	CONCRETE SIDEWALK (SD-1)	1,966	SY	\$ 80.00	\$ 157,280.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	20	LF	\$ 75.00	\$ 1,500.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	163,900.00
Engineering: (% +/-)	15%	\$ 24,900.00
Contingency: (% +/-)	20%	\$ 33,200.00
Estimated Project Cost:	\$	222,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	98
Medium	207
Low	3,308
Compliant	1,595
Total	5,208

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (D) (46th to 56th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,449	SY	\$ 10.00	\$ 14,490.00
2	CONCRETE SIDEWALK (SD-1)	1,616	SY	\$ 80.00	\$ 129,280.00
3	REMOVAL OF PAVEMENT	239	SY	\$ 10.00	\$ 2,390.00
4	CONCRETE DRIVEWAY	40	CY	\$ 500.00	\$ 20,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	130	LF	\$ 75.00	\$ 9,750.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	175,910.00
Engineering: (% +/-)	15%	\$ 26,610.00
Contingency: (% +/-)	20%	\$ 35,480.00
Estimated Project Cost:	\$	238,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	642
Medium	514
Low	1,797
Compliant	2,254
Total	5,207

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (F) (13th to I-244) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,805	SY	\$ 10.00	\$ 28,050.00
2	CONCRETE SIDEWALK (SD-1)	2,805	SY	\$ 80.00	\$ 224,400.00
3	REMOVAL OF PAVEMENT	973	SY	\$ 10.00	\$ 9,730.00
4	CONCRETE DRIVEWAY	163	CY	\$ 500.00	\$ 81,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	343,680.00
Engineering: (% +/-)	15%	\$ 51,565.71
Contingency: (% +/-)	20%	\$ 68,754.29
Estimated Project Cost:	\$	464,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	695
Medium	497
Low	2,169
Compliant	3,559
Total	6,920

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Cincinnati Avenue (F) (13th to I-244) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,725	SY	\$ 10.00	\$ 27,250.00
2	CONCRETE SIDEWALK (SD-1)	2,725	SY	\$ 80.00	\$ 218,000.00
3	REMOVAL OF PAVEMENT	450	SY	\$ 10.00	\$ 4,500.00
4	CONCRETE DRIVEWAY	75	CY	\$ 500.00	\$ 37,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	287,250.00
Engineering: (% +/-)	15%	\$ 43,178.57
Contingency: (% +/-)	20%	\$ 57,571.43
Estimated Project Cost:	\$	388,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	418
Medium	675
Low	1,408
Compliant	4,387
Total	6,889

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Delaware Avenue (A) (91st to 81st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55	SY	\$ 10.00	\$ 550.00
2	CONCRETE SIDEWALK (SD-1)	2,538	SY	\$ 80.00	\$ 203,040.00
3	REMOVAL OF PAVEMENT	62	SY	\$ 10.00	\$ 620.00
4	CONCRETE DRIVEWAY	11	CY	\$ 500.00	\$ 5,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	209,710.00
Engineering: (% +/-)	15%	\$ 31,838.57
Contingency: (% +/-)	20%	\$ 42,451.43
Estimated Project Cost:	\$	284,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	25
Low	4,616
Compliant	515
Total	5,156

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Delaware Avenue (A) (91st to 81st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	177	SY	\$ 10.00	\$ 1,770.00
2	CONCRETE SIDEWALK (SD-1)	2,378	SY	\$ 80.00	\$ 190,240.00
3	REMOVAL OF PAVEMENT	50	SY	\$ 10.00	\$ 500.00
4	CONCRETE DRIVEWAY	9	CY	\$ 500.00	\$ 4,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	197,010.00
Engineering: (% +/-)	15%	\$ 29,567.14
Contingency: (% +/-)	20%	\$ 39,422.86
Estimated Project Cost:	\$	266,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	20
Medium	107
Low	4,262
Compliant	777
Total	5,166

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Delaware Avenue (B) (Riverside to 91st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	590	SY	\$ 10.00	\$ 5,900.00
2	CONCRETE SIDEWALK (SD-1)	590	SY	\$ 80.00	\$ 47,200.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	65,880.00
Engineering: (% +/-)	15%	\$ 9,908.57
Contingency: (% +/-)	20%	\$ 13,211.43
Estimated Project Cost:	\$	89,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	254
Medium	300
Low	457
Compliant	1,302
Total	2,313

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Delaware Avenue (B) (Riverside to 91st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	439	SY	\$ 10.00	\$ 4,390.00
2	CONCRETE SIDEWALK (SD-1)	439	SY	\$ 80.00	\$ 35,120.00
3	REMOVAL OF PAVEMENT	156	SY	\$ 10.00	\$ 1,560.00
4	CONCRETE DRIVEWAY	26	CY	\$ 500.00	\$ 13,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	55,070.00
Engineering: (% +/-)	15%	\$ 8,541.43
Contingency: (% +/-)	20%	\$ 11,388.57
Estimated Project Cost:	\$	75,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	60
Medium	103
Low	753
Compliant	1,324
Total	2,240

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Denver Avenue (Fairview to Riverside) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4,079	SY	\$ 10.00	\$ 40,790.00
2	CONCRETE SIDEWALK (SD-1)	4,096	SY	\$ 80.00	\$ 327,680.00
3	REMOVAL OF PAVEMENT	912	SY	\$ 10.00	\$ 9,120.00
4	CONCRETE DRIVEWAY	152	CY	\$ 500.00	\$ 76,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	453,590.00
Engineering: (% +/-)	15%	\$ 68,318.57
Contingency: (% +/-)	20%	\$ 91,091.43
Estimated Project Cost:	\$	613,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	620
Medium	1,757
Low	3,500
Compliant	3,804
Total	9,682

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Denver Avenue (Fairview to Riverside) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	3,123	SY	\$ 10.00	\$ 31,230.00
2	CONCRETE SIDEWALK (SD-1)	3,123	SY	\$ 80.00	\$ 249,840.00
3	REMOVAL OF PAVEMENT	1,034	SY	\$ 10.00	\$ 10,340.00
4	CONCRETE DRIVEWAY	173	CY	\$ 500.00	\$ 86,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	377,910.00
Engineering: (% +/-)	15%	\$ 57,038.57
Contingency: (% +/-)	20%	\$ 76,051.43
Estimated Project Cost:	\$	511,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	850
Medium	1,165
Low	3,012
Compliant	4,201
Total	9,229

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Detroit Avenue (I-244 to 13th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,414	SY	\$ 10.00	\$ 24,140.00
2	CONCRETE SIDEWALK (SD-1)	2,422	SY	\$ 80.00	\$ 193,760.00
3	REMOVAL OF PAVEMENT	1,250	SY	\$ 10.00	\$ 12,500.00
4	CONCRETE DRIVEWAY	209	CY	\$ 500.00	\$ 104,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	334,900.00
Engineering: (% +/-)	15%	\$ 50,614.29
Contingency: (% +/-)	20%	\$ 67,485.71
Estimated Project Cost:	\$	453,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	604
Medium	737
Low	2,208
Compliant	3,377
Total	6,926

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Detroit Avenue (I-244 to 13th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	3,094	SY	\$ 10.00	\$ 30,940.00
2	CONCRETE SIDEWALK (SD-1)	3,138	SY	\$ 80.00	\$ 251,040.00
3	REMOVAL OF PAVEMENT	1,239	SY	\$ 10.00	\$ 12,390.00
4	CONCRETE DRIVEWAY	207	CY	\$ 500.00	\$ 103,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	397,870.00
Engineering: (% +/-)	15%	\$ 60,055.71
Contingency: (% +/-)	20%	\$ 80,074.29
Estimated Project Cost:	\$	538,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,206
Medium	914
Low	1,870
Compliant	3,018
Total	7,008

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (A) (49th to 33rd) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	168	SY	\$ 10.00	\$ 1,680.00
2	CONCRETE SIDEWALK (SD-1)	1,970	SY	\$ 80.00	\$ 157,600.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	169,900.00
Engineering: (% +/-)	15%	\$ 25,757.14
Contingency: (% +/-)	20%	\$ 34,342.86
Estimated Project Cost:	\$	230,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	128
Medium	23
Low	3,485
Compliant	1,599
Total	5,235

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (A) (49th to 33rd) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,827	SY	\$ 80.00	\$ 146,160.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	146,160.00
Engineering: (% +/-)	15%	\$ 22,217.14
Contingency: (% +/-)	20%	\$ 29,622.86
Estimated Project Cost:	\$	198,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	3,288
Compliant	1,951
Total	5,239

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (B) (33rd to 25th) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	996	SY	\$ 10.00	\$ 9,960.00
2	CONCRETE SIDEWALK (SD-1)	996	SY	\$ 80.00	\$ 79,680.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	89,640.00
Engineering: (% +/-)	15%	\$ 13,868.57
Contingency: (% +/-)	20%	\$ 18,491.43
Estimated Project Cost:	\$	122,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	187
Medium	967
Low	1,044
Compliant	448
Total	2,645

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (B) (33rd to 25th) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	826	SY	\$ 10.00	\$ 8,260.00
2	CONCRETE SIDEWALK (SD-1)	826	SY	\$ 80.00	\$ 66,080.00
3	REMOVAL OF PAVEMENT	556	SY	\$ 10.00	\$ 5,560.00
4	CONCRETE DRIVEWAY	93	CY	\$ 500.00	\$ 46,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	126,400.00
Engineering: (% +/-)	15%	\$ 19,114.29
Contingency: (% +/-)	20%	\$ 25,485.71
Estimated Project Cost:	\$	171,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	613
Medium	796
Low	873
Compliant	413
Total	2,695

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (C) (25th to Union) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	938	SY	\$ 10.00	\$ 9,380.00
2	CONCRETE SIDEWALK (SD-1)	938	SY	\$ 80.00	\$ 75,040.00
3	REMOVAL OF PAVEMENT	167	SY	\$ 10.00	\$ 1,670.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	100,090.00
Engineering: (% +/-)	15%	\$ 15,390.00
Contingency: (% +/-)	20%	\$ 20,520.00
Estimated Project Cost:	\$	136,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	70
Medium	931
Low	1,240
Compliant	118
Total	2,359

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (C) (25th to Union) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,452	SY	\$ 80.00	\$ 116,160.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	116,160.00
Engineering: (% +/-)	15%	\$ 17,502.86
Contingency: (% +/-)	20%	\$ 23,337.14
Estimated Project Cost:	\$	157,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	2,613
Compliant	0
Total	2,613

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (D) (Union to Denver) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,657	SY	\$ 10.00	\$ 16,570.00
2	CONCRETE SIDEWALK (SD-1)	2,151	SY	\$ 80.00	\$ 172,080.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	188,650.00
Engineering: (% +/-)	15%	\$ 28,435.71
Contingency: (% +/-)	20%	\$ 37,914.29
Estimated Project Cost:	\$	255,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	187
Medium	2,408
Low	1,246
Compliant	68
Total	3,909

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Edison Street (D) (Union to Denver) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,155	SY	\$ 10.00	\$ 11,550.00
2	CONCRETE SIDEWALK (SD-1)	1,313	SY	\$ 80.00	\$ 105,040.00
3	REMOVAL OF PAVEMENT	184	SY	\$ 10.00	\$ 1,840.00
4	CONCRETE DRIVEWAY	31	CY	\$ 500.00	\$ 15,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	133,930.00
Engineering: (% +/-)	15%	\$ 20,172.86
Contingency: (% +/-)	20%	\$ 26,897.14
Estimated Project Cost:	\$	181,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	470
Medium	955
Low	1,073
Compliant	1,161
Total	3,659

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Elgin Avenue (10th to John Hope Franklin) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,459	SY	\$ 10.00	\$ 14,590.00
2	CONCRETE SIDEWALK (SD-1)	2,094	SY	\$ 80.00	\$ 167,520.00
3	REMOVAL OF PAVEMENT	562	SY	\$ 10.00	\$ 5,620.00
4	CONCRETE DRIVEWAY	94	CY	\$ 500.00	\$ 47,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	234,730.00
Engineering: (% +/-)	15%	\$ 35,258.57
Contingency: (% +/-)	20%	\$ 47,011.43
Estimated Project Cost:	\$	317,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	335
Medium	383
Low	2,480
Compliant	2,670
Total	5,868

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Elgin Avenue (10th to John Hope Franklin) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	3,041	SY	\$ 10.00	\$ 30,410.00
2	CONCRETE SIDEWALK (SD-1)	3,541	SY	\$ 80.00	\$ 283,280.00
3	REMOVAL OF PAVEMENT	784	SY	\$ 10.00	\$ 7,840.00
4	CONCRETE DRIVEWAY	131	CY	\$ 500.00	\$ 65,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	387,030.00
Engineering: (% +/-)	15%	\$ 58,272.86
Contingency: (% +/-)	20%	\$ 77,697.14
Estimated Project Cost:	\$	523,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	343
Medium	640
Low	3,118
Compliant	1,813
Total	5,913

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Elwood Avenue (6th to 7th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	152	SY	\$ 10.00	\$ 1,520.00
2	CONCRETE SIDEWALK (SD-1)	152	SY	\$ 80.00	\$ 12,160.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	13,680.00
Engineering: (% +/-)	15%	\$ 2,280.00
Contingency: (% +/-)	20%	\$ 3,040.00
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	102
Low	160
Compliant	50
Total	313

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Elwood Avenue (6th to 7th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66	SY	\$ 10.00	\$ 660.00
2	CONCRETE SIDEWALK (SD-1)	66	SY	\$ 80.00	\$ 5,280.00
3	REMOVAL OF PAVEMENT	84	SY	\$ 10.00	\$ 840.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	13,780.00
Engineering: (% +/-)	15%	\$ 2,237.14
Contingency: (% +/-)	20%	\$ 2,982.86
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	40
Medium	45
Low	107
Compliant	102
Total	295

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Frankfort Avenue (2nd to 7th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	318	SY	\$ 10.00	\$ 3,180.00
2	CONCRETE SIDEWALK (SD-1)	458	SY	\$ 80.00	\$ 36,640.00
3	REMOVAL OF PAVEMENT	523	SY	\$ 10.00	\$ 5,230.00
4	CONCRETE DRIVEWAY	88	CY	\$ 500.00	\$ 44,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	89,050.00
Engineering: (% +/-)	15%	\$ 13,692.86
Contingency: (% +/-)	20%	\$ 18,257.14
Estimated Project Cost:	\$	121,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	364
Medium	252
Low	579
Compliant	637
Total	1,833

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Frankfort Avenue (2nd to 7th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	980	SY	\$ 10.00	\$ 9,800.00
2	CONCRETE SIDEWALK (SD-1)	1,002	SY	\$ 80.00	\$ 80,160.00
3	REMOVAL OF PAVEMENT	556	SY	\$ 10.00	\$ 5,560.00
4	CONCRETE DRIVEWAY	93	CY	\$ 500.00	\$ 46,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	142,020.00
Engineering: (% +/-)	15%	\$ 21,420.00
Contingency: (% +/-)	20%	\$ 28,560.00
Estimated Project Cost:	\$	192,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	268
Medium	270
Low	733
Compliant	542
Total	1,813

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Frisco Avenue (A) (6th to 7th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	26	SY	\$ 10.00	\$ 260.00
2	CONCRETE SIDEWALK (SD-1)	26	SY	\$ 80.00	\$ 2,080.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,680.00
Engineering: (% +/-)	15%	\$ 994.29
Contingency: (% +/-)	20%	\$ 1,325.71
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	30
Medium	0
Low	46
Compliant	74
Total	150

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Frisco Avenue (A) (6th to 7th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	32	SY	\$ 10.00	\$ 320.00
2	CONCRETE SIDEWALK (SD-1)	32	SY	\$ 80.00	\$ 2,560.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,660.00
Engineering: (% +/-)	15%	\$ 1,002.86
Contingency: (% +/-)	20%	\$ 1,337.14
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	25
Medium	44
Low	0
Compliant	48
Total	117

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Frisco Avenue (1st to 3rd) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	154	SY	\$ 10.00	\$ 1,540.00
2	CONCRETE SIDEWALK (SD-1)	154	SY	\$ 80.00	\$ 12,320.00
3	REMOVAL OF PAVEMENT	53	SY	\$ 10.00	\$ 530.00
4	CONCRETE DRIVEWAY	9	CY	\$ 500.00	\$ 4,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	18,890.00
Engineering: (% +/-)	15%	\$ 3,047.14
Contingency: (% +/-)	20%	\$ 4,062.86
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	46
Low	173
Compliant	461
Total	680

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Frisco Avenue (1st to 3rd) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	190	SY	\$ 10.00	\$ 1,900.00
2	CONCRETE SIDEWALK (SD-1)	190	SY	\$ 80.00	\$ 15,200.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	17,600.00
Engineering: (% +/-)	15%	\$ 2,742.86
Contingency: (% +/-)	20%	\$ 3,657.14
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	13
Medium	0
Low	433
Compliant	238
Total	683

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (A) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,830	SY	\$ 10.00	\$ 18,300.00
2	CONCRETE SIDEWALK (SD-1)	1,830	SY	\$ 80.00	\$ 146,400.00
3	REMOVAL OF PAVEMENT	421	SY	\$ 10.00	\$ 4,210.00
4	CONCRETE DRIVEWAY	70	CY	\$ 500.00	\$ 35,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	204,910.00
Engineering: (% +/-)	15%	\$ 30,895.71
Contingency: (% +/-)	20%	\$ 41,194.29
Estimated Project Cost:	\$	277,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	112
Medium	782
Low	2,805
Compliant	1,392
Total	5,091

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (A) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,632	SY	\$ 10.00	\$ 16,320.00
2	CONCRETE SIDEWALK (SD-1)	1,632	SY	\$ 80.00	\$ 130,560.00
3	REMOVAL OF PAVEMENT	359	SY	\$ 10.00	\$ 3,590.00
4	CONCRETE DRIVEWAY	60	CY	\$ 500.00	\$ 30,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	181,470.00
Engineering: (% +/-)	15%	\$ 27,227.14
Contingency: (% +/-)	20%	\$ 36,302.86
Estimated Project Cost:	\$	245,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	75
Medium	419
Low	2,858
Compliant	1,751
Total	5,103

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (B) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	966	SY	\$ 10.00	\$ 9,660.00
2	CONCRETE SIDEWALK (SD-1)	966	SY	\$ 80.00	\$ 77,280.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	5	LS	\$ 500.00	\$ 2,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	92,220.00
Engineering: (% +/-)	15%	\$ 14,048.57
Contingency: (% +/-)	20%	\$ 18,731.43
Estimated Project Cost:	\$	125,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	263
Medium	402
Low	1,049
Compliant	3,456
Total	5,171

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061277900	Date: 7/24/2012 Prepared By: EPE Checked By: SRA
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Corridor: Garnett Road (B) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,465	SY	\$ 10.00	\$ 14,650.00
2	CONCRETE SIDEWALK (SD-1)	1,465	SY	\$ 80.00	\$ 117,200.00
3	REMOVAL OF PAVEMENT	400	SY	\$ 10.00	\$ 4,000.00
4	CONCRETE DRIVEWAY	67	CY	\$ 500.00	\$ 33,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	9	LS	\$ 500.00	\$ 4,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection <input checked="" type="checkbox"/> No Design Completed <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 173,850.00 Engineering: (% +/-) 15% \$ 26,207.14 Contingency:(% +/-) 20% \$ 34,942.86 Estimated Project Cost: \$ 235,000.00
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	445
Medium	557
Low	1,294
Compliant	2,878
Total	5,174

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (C) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,840	SY	\$ 10.00	\$ 28,400.00
2	CONCRETE SIDEWALK (SD-1)	2,849	SY	\$ 80.00	\$ 227,920.00
3	REMOVAL OF PAVEMENT	339	SY	\$ 10.00	\$ 3,390.00
4	CONCRETE DRIVEWAY	57	CY	\$ 500.00	\$ 28,500.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	290,210.00
Engineering: (% +/-)	15%	\$ 43,624.29
Contingency: (% +/-)	20%	\$ 58,165.71
Estimated Project Cost:	\$	392,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	653
Medium	1,417
Low	2,430
Compliant	659
Total	5,159

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (C) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,586	SY	\$ 10.00	\$ 25,860.00
2	CONCRETE SIDEWALK (SD-1)	2,586	SY	\$ 80.00	\$ 206,880.00
3	REMOVAL OF PAVEMENT	234	SY	\$ 10.00	\$ 2,340.00
4	CONCRETE DRIVEWAY	39	CY	\$ 500.00	\$ 19,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	254,580.00
Engineering: (% +/-)	15%	\$ 38,322.86
Contingency: (% +/-)	20%	\$ 51,097.14
Estimated Project Cost:	\$	344,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	830
Medium	1,879
Low	1,610
Compliant	849
Total	5,168

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (D) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,734	SY	\$ 10.00	\$ 27,340.00
2	CONCRETE SIDEWALK (SD-1)	2,734	SY	\$ 80.00	\$ 218,720.00
3	REMOVAL OF PAVEMENT	456	SY	\$ 10.00	\$ 4,560.00
4	CONCRETE DRIVEWAY	76	CY	\$ 500.00	\$ 38,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	290,120.00
Engineering: (% +/-)	15%	\$ 43,662.86
Contingency: (% +/-)	20%	\$ 58,217.14
Estimated Project Cost:	\$	392,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	953
Medium	1,481
Low	1,857
Compliant	882
Total	5,174

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (D) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,430	SY	\$ 10.00	\$ 24,300.00
2	CONCRETE SIDEWALK (SD-1)	2,430	SY	\$ 80.00	\$ 194,400.00
3	REMOVAL OF PAVEMENT	467	SY	\$ 10.00	\$ 4,670.00
4	CONCRETE DRIVEWAY	78	CY	\$ 500.00	\$ 39,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	262,370.00
Engineering: (% +/-)	15%	\$ 39,698.57
Contingency: (% +/-)	20%	\$ 52,931.43
Estimated Project Cost:	\$	355,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	393
Medium	1,655
Low	2,052
Compliant	1,068
Total	5,169

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (E) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	402	SY	\$ 10.00	\$ 4,020.00
2	CONCRETE SIDEWALK (SD-1)	402	SY	\$ 80.00	\$ 32,160.00
3	REMOVAL OF PAVEMENT	439	SY	\$ 10.00	\$ 4,390.00
4	CONCRETE DRIVEWAY	74	CY	\$ 500.00	\$ 37,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	78,070.00
Engineering: (% +/-)	15%	\$ 11,970.00
Contingency: (% +/-)	20%	\$ 15,960.00
Estimated Project Cost:	\$	106,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	255
Medium	483
Low	511
Compliant	3,915
Total	5,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (E) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	617	SY	\$ 10.00	\$ 6,170.00
2	CONCRETE SIDEWALK (SD-1)	617	SY	\$ 80.00	\$ 49,360.00
3	REMOVAL OF PAVEMENT	328	SY	\$ 10.00	\$ 3,280.00
4	CONCRETE DRIVEWAY	55	CY	\$ 500.00	\$ 27,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	86,310.00
Engineering: (% +/-)	15%	\$ 13,152.86
Contingency: (% +/-)	20%	\$ 17,537.14
Estimated Project Cost:	\$	117,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	165
Medium	387
Low	990
Compliant	3,627
Total	5,169

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061277900	Date: 7/24/2012 Prepared By: EPE Checked By: SRA
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Corridor: Garnett Road (F) (11th to I-244) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	310	SY	\$ 10.00	\$ 3,100.00
2	CONCRETE SIDEWALK (SD-1)	2,993	SY	\$ 80.00	\$ 239,440.00
3	REMOVAL OF PAVEMENT	145	SY	\$ 10.00	\$ 1,450.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection <input checked="" type="checkbox"/> No Design Completed <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 256,490.00 Engineering: (% +/-) 15% \$ 38,790.00 Contingency: (% +/-) 20% \$ 51,720.00 Estimated Project Cost: \$ 347,000.00
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The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	65
Medium	136
Low	5,266
Compliant	945
Total	6,412

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Garnett Road (F) (11th to I-244) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	133	SY	\$ 10.00	\$ 1,330.00
2	CONCRETE SIDEWALK (SD-1)	2,791	SY	\$ 80.00	\$ 223,280.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	235,230.00
Engineering: (% +/-)	15%	\$ 35,472.86
Contingency: (% +/-)	20%	\$ 47,297.14
Estimated Project Cost:	\$	318,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	20
Medium	65
Low	5,038
Compliant	1,291
Total	6,414

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Greenwood Avenue (I-244 to 3rd) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	720	SY	\$ 10.00	\$ 7,200.00
2	CONCRETE SIDEWALK (SD-1)	742	SY	\$ 80.00	\$ 59,360.00
3	REMOVAL OF PAVEMENT	89	SY	\$ 10.00	\$ 890.00
4	CONCRETE DRIVEWAY	15	CY	\$ 500.00	\$ 7,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	74,950.00
Engineering: (% +/-)	15%	\$ 11,592.86
Contingency: (% +/-)	20%	\$ 15,457.14
Estimated Project Cost:	\$	102,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	83
Medium	359
Low	629
Compliant	735
Total	1,805

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Greenwood Avenue (I-244 to 3rd) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	809	SY	\$ 10.00	\$ 8,090.00
2	CONCRETE SIDEWALK (SD-1)	809	SY	\$ 80.00	\$ 64,720.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	85,090.00
Engineering: (% +/-)	15%	\$ 12,818.57
Contingency: (% +/-)	20%	\$ 17,091.43
Estimated Project Cost:	\$	115,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	66
Medium	339
Low	663
Compliant	808
Total	1,876

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (A) (91st to 81st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	937	SY	\$ 10.00	\$ 9,370.00
2	CONCRETE SIDEWALK (SD-1)	2,775	SY	\$ 80.00	\$ 222,000.00
3	REMOVAL OF PAVEMENT	84	SY	\$ 10.00	\$ 840.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	239,210.00
Engineering: (% +/-)	15%	\$ 35,910.00
Contingency: (% +/-)	20%	\$ 47,880.00
Estimated Project Cost:	\$	323,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	5
Medium	198
Low	4,222
Compliant	760
Total	5,185

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (A) (91st to 81st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	371	SY	\$ 10.00	\$ 3,710.00
2	CONCRETE SIDEWALK (SD-1)	2,343	SY	\$ 80.00	\$ 187,440.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	198,430.00
Engineering: (% +/-)	15%	\$ 29,815.71
Contingency: (% +/-)	20%	\$ 39,754.29
Estimated Project Cost:	\$	268,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	150
Medium	118
Low	4,018
Compliant	875
Total	5,161

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (B) (81st to 71st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	362	SY	\$ 10.00	\$ 3,620.00
2	CONCRETE SIDEWALK (SD-1)	2,843	SY	\$ 80.00	\$ 227,440.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	231,060.00
Engineering: (% +/-)	15%	\$ 34,688.57
Contingency: (% +/-)	20%	\$ 46,251.43
Estimated Project Cost:	\$	312,000.00

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Project Location

Project Details

Priority	Length (LF)
High	118
Medium	222
Low	4,762
Compliant	132
Total	5,233

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (B) (81st to 71st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	257	SY	\$ 10.00	\$ 2,570.00
2	CONCRETE SIDEWALK (SD-1)	2,745	SY	\$ 80.00	\$ 219,600.00
3	REMOVAL OF PAVEMENT	39	SY	\$ 10.00	\$ 390.00
4	CONCRETE DRIVEWAY	7	CY	\$ 500.00	\$ 3,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,060.00
Engineering: (% +/-)	15%	\$ 34,260.00
Contingency: (% +/-)	20%	\$ 45,680.00
Estimated Project Cost:	\$	306,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	113
Medium	139
Low	4,677
Compliant	326
Total	5,255

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (C) (71st to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	426	SY	\$ 10.00	\$ 4,260.00
2	CONCRETE SIDEWALK (SD-1)	2,826	SY	\$ 80.00	\$ 226,080.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,340.00
Engineering: (% +/-)	15%	\$ 34,568.57
Contingency: (% +/-)	20%	\$ 46,091.43
Estimated Project Cost:	\$	311,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	10
Medium	0
Low	5,011
Compliant	105
Total	5,126

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (C) (71st to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	105	SY	\$ 10.00	\$ 1,050.00
2	CONCRETE SIDEWALK (SD-1)	2,711	SY	\$ 80.00	\$ 216,880.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	217,930.00
Engineering: (% +/-)	15%	\$ 33,030.00
Contingency: (% +/-)	20%	\$ 44,040.00
Estimated Project Cost:	\$	295,000.00

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Project Location

Project Details

Priority	Length (LF)
High	19
Medium	0
Low	4,829
Compliant	285
Total	5,134

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (D) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	718	SY	\$ 10.00	\$ 7,180.00
2	CONCRETE SIDEWALK (SD-1)	2,756	SY	\$ 80.00	\$ 220,480.00
3	REMOVAL OF PAVEMENT	165	SY	\$ 10.00	\$ 1,650.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	243,310.00
Engineering: (% +/-)	15%	\$ 36,724.29
Contingency: (% +/-)	20%	\$ 48,965.71
Estimated Project Cost:	\$	329,000.00

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Project Location

Project Details

Priority	Length (LF)
High	45
Medium	609
Low	4,269
Compliant	244
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (D) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	635	SY	\$ 10.00	\$ 6,350.00
2	CONCRETE SIDEWALK (SD-1)	2,788	SY	\$ 80.00	\$ 223,040.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	242,780.00
Engineering: (% +/-)	15%	\$ 36,522.86
Contingency: (% +/-)	20%	\$ 48,697.14
Estimated Project Cost:	\$	328,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	159
Medium	425
Low	4,401
Compliant	174
Total	5,160

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (E) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,113	SY	\$ 10.00	\$ 11,130.00
2	CONCRETE SIDEWALK (SD-1)	2,772	SY	\$ 80.00	\$ 221,760.00
3	REMOVAL OF PAVEMENT	150	SY	\$ 10.00	\$ 1,500.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	246,890.00
Engineering: (% +/-)	15%	\$ 37,332.86
Contingency: (% +/-)	20%	\$ 49,777.14
Estimated Project Cost:	\$	334,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	5
Medium	679
Low	4,069
Compliant	382
Total	5,134

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (E) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	786	SY	\$ 10.00	\$ 7,860.00
2	CONCRETE SIDEWALK (SD-1)	2,730	SY	\$ 80.00	\$ 218,400.00
3	REMOVAL OF PAVEMENT	189	SY	\$ 10.00	\$ 1,890.00
4	CONCRETE DRIVEWAY	32	CY	\$ 500.00	\$ 16,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	244,150.00
Engineering: (% +/-)	15%	\$ 36,792.86
Contingency: (% +/-)	20%	\$ 49,057.14
Estimated Project Cost:	\$	330,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	168
Medium	458
Low	4,213
Compliant	318
Total	5,157

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (F) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,596	SY	\$ 10.00	\$ 15,960.00
2	CONCRETE SIDEWALK (SD-1)	1,621	SY	\$ 80.00	\$ 129,680.00
3	REMOVAL OF PAVEMENT	1,595	SY	\$ 10.00	\$ 15,950.00
4	CONCRETE DRIVEWAY	266	CY	\$ 500.00	\$ 133,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	296,090.00
Engineering: (% +/-)	15%	\$ 44,532.86
Contingency: (% +/-)	20%	\$ 59,377.14
Estimated Project Cost:	\$	400,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,159
Medium	1,601
Low	1,200
Compliant	1,214
Total	5,175

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (F) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,449	SY	\$ 10.00	\$ 14,490.00
2	CONCRETE SIDEWALK (SD-1)	1,465	SY	\$ 80.00	\$ 117,200.00
3	REMOVAL OF PAVEMENT	145	SY	\$ 10.00	\$ 1,450.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	50	LF	\$ 75.00	\$ 3,750.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	149,390.00
Engineering: (% +/-)	15%	\$ 22,547.14
Contingency: (% +/-)	20%	\$ 30,062.86
Estimated Project Cost:	\$	202,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	210
Medium	540
Low	2,032
Compliant	2,414
Total	5,195

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (G) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,922	SY	\$ 10.00	\$ 19,220.00
2	CONCRETE SIDEWALK (SD-1)	1,947	SY	\$ 80.00	\$ 155,760.00
3	REMOVAL OF PAVEMENT	850	SY	\$ 10.00	\$ 8,500.00
4	CONCRETE DRIVEWAY	142	CY	\$ 500.00	\$ 71,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	254,980.00
Engineering: (% +/-)	15%	\$ 38,580.00
Contingency: (% +/-)	20%	\$ 51,440.00
Estimated Project Cost:	\$	345,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,274
Medium	684
Low	1,935
Compliant	1,284
Total	5,177

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (G) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,230	SY	\$ 10.00	\$ 12,300.00
2	CONCRETE SIDEWALK (SD-1)	1,230	SY	\$ 80.00	\$ 98,400.00
3	REMOVAL OF PAVEMENT	434	SY	\$ 10.00	\$ 4,340.00
4	CONCRETE DRIVEWAY	73	CY	\$ 500.00	\$ 36,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	152,540.00
Engineering: (% +/-)	15%	\$ 22,911.43
Contingency: (% +/-)	20%	\$ 30,548.57
Estimated Project Cost:	\$	206,000.00

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Project Location

Project Details

Priority	Length (LF)
High	560
Medium	370
Low	1,779
Compliant	2,474
Total	5,183

Kimley-Horn and Associates, Inc. Pedestrian Attractor Score: 40.00
 Project Description for Sidewalk Corridor

Client: City of Tulsa, Oklahoma Date: 7/24/2012
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061277900 Checked By: SRA

Corridor: Harvard Avenue (H) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,636	SY	\$ 10.00	\$ 16,360.00
2	CONCRETE SIDEWALK (SD-1)	1,653	SY	\$ 80.00	\$ 132,240.00
3	REMOVAL OF PAVEMENT	1,245	SY	\$ 10.00	\$ 12,450.00
4	CONCRETE DRIVEWAY	208	CY	\$ 500.00	\$ 104,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	4	LS	\$ 500.00	\$ 2,000.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection		Subtotal: \$	268,550.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-) 15%	\$ 40,478.57
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20%	\$ 53,971.43
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	363,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	781
Medium	553
Low	1,922
Compliant	1,997
Total	5,252

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (H) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,882	SY	\$ 10.00	\$ 18,820.00
2	CONCRETE SIDEWALK (SD-1)	1,907	SY	\$ 80.00	\$ 152,560.00
3	REMOVAL OF PAVEMENT	1,003	SY	\$ 10.00	\$ 10,030.00
4	CONCRETE DRIVEWAY	168	CY	\$ 500.00	\$ 84,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	265,410.00
Engineering: (% +/-)	15%	\$ 40,110.00
Contingency: (% +/-)	20%	\$ 53,480.00
Estimated Project Cost:	\$	359,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	745
Medium	703
Low	1,760
Compliant	1,974
Total	5,182

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (I) (11th to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,542	SY	\$ 10.00	\$ 15,420.00
2	CONCRETE SIDEWALK (SD-1)	1,542	SY	\$ 80.00	\$ 123,360.00
3	REMOVAL OF PAVEMENT	245	SY	\$ 10.00	\$ 2,450.00
4	CONCRETE DRIVEWAY	41	CY	\$ 500.00	\$ 20,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	162,230.00
Engineering: (% +/-)	15%	\$ 24,758.57
Contingency: (% +/-)	20%	\$ 33,011.43
Estimated Project Cost:	\$	220,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	393
Medium	847
Low	1,832
Compliant	1,561
Total	4,633

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (I) (11th to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	996	SY	\$ 10.00	\$ 9,960.00
2	CONCRETE SIDEWALK (SD-1)	999	SY	\$ 80.00	\$ 79,920.00
3	REMOVAL OF PAVEMENT	217	SY	\$ 10.00	\$ 2,170.00
4	CONCRETE DRIVEWAY	37	CY	\$ 500.00	\$ 18,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	110,550.00
Engineering: (% +/-)	15%	\$ 16,907.14
Contingency: (% +/-)	20%	\$ 22,542.86
Estimated Project Cost:	\$	150,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	136
Medium	292
Low	1,399
Compliant	2,818
Total	4,645

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (J) (Admiral to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,202	SY	\$ 10.00	\$ 12,020.00
2	CONCRETE SIDEWALK (SD-1)	1,244	SY	\$ 80.00	\$ 99,520.00
3	REMOVAL OF PAVEMENT	784	SY	\$ 10.00	\$ 7,840.00
4	CONCRETE DRIVEWAY	131	CY	\$ 500.00	\$ 65,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	184,880.00
Engineering: (% +/-)	15%	\$ 27,908.57
Contingency: (% +/-)	20%	\$ 37,211.43
Estimated Project Cost:	\$	250,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	869
Medium	1,266
Low	812
Compliant	2,903
Total	5,850

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (J) (Admiral to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,356	SY	\$ 10.00	\$ 13,560.00
2	CONCRETE SIDEWALK (SD-1)	1,415	SY	\$ 80.00	\$ 113,200.00
3	REMOVAL OF PAVEMENT	892	SY	\$ 10.00	\$ 8,920.00
4	CONCRETE DRIVEWAY	149	CY	\$ 500.00	\$ 74,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	210,180.00
Engineering: (% +/-)	15%	\$ 31,637.14
Contingency: (% +/-)	20%	\$ 42,182.86
Estimated Project Cost:	\$	284,000.00

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Project Location

Project Details

Priority	Length (LF)
High	767
Medium	1,311
Low	1,204
Compliant	2,572
Total	5,853

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (K) (Pine to Apache) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,638	SY	\$ 10.00	\$ 16,380.00
2	CONCRETE SIDEWALK (SD-1)	1,638	SY	\$ 80.00	\$ 131,040.00
3	REMOVAL OF PAVEMENT	550	SY	\$ 10.00	\$ 5,500.00
4	CONCRETE DRIVEWAY	92	CY	\$ 500.00	\$ 46,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	198,920.00
Engineering: (% +/-)	15%	\$ 30,034.29
Contingency: (% +/-)	20%	\$ 40,045.71
Estimated Project Cost:	\$	269,000.00

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Project Location

Project Details

Priority	Length (LF)
High	337
Medium	662
Low	1,899
Compliant	2,258
Total	5,156

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (K) (Pine to Apache) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,987	SY	\$ 10.00	\$ 19,870.00
2	CONCRETE SIDEWALK (SD-1)	1,987	SY	\$ 80.00	\$ 158,960.00
3	REMOVAL OF PAVEMENT	523	SY	\$ 10.00	\$ 5,230.00
4	CONCRETE DRIVEWAY	88	CY	\$ 500.00	\$ 44,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,060.00
Engineering: (% +/-)	15%	\$ 34,260.00
Contingency: (% +/-)	20%	\$ 45,680.00
Estimated Project Cost:	\$	308,000.00

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Project Location

Project Details

Priority	Length (LF)
High	157
Medium	723
Low	2,556
Compliant	1,729
Total	5,165

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (L) (Apache to 36th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,179	SY	\$ 10.00	\$ 11,790.00
2	CONCRETE SIDEWALK (SD-1)	2,191	SY	\$ 80.00	\$ 175,280.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,630.00
Engineering: (% +/-)	15%	\$ 29,301.43
Contingency: (% +/-)	20%	\$ 39,068.57
Estimated Project Cost:	\$	261,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	212
Medium	747
Low	3,209
Compliant	1,001
Total	5,170

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (L) (Apache to 36th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,476	SY	\$ 10.00	\$ 14,760.00
2	CONCRETE SIDEWALK (SD-1)	1,485	SY	\$ 80.00	\$ 118,800.00
3	REMOVAL OF PAVEMENT	178	SY	\$ 10.00	\$ 1,780.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	150,340.00
Engineering: (% +/-)	15%	\$ 22,568.57
Contingency: (% +/-)	20%	\$ 30,091.43
Estimated Project Cost:	\$	203,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	122
Medium	356
Low	2,367
Compliant	2,338
Total	5,183

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (M) (Creek Turnpike to 91st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,300	SY	\$ 80.00	\$ 104,000.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	104,000.00
Engineering: (% +/-)	15%	\$ 15,857.14
Contingency: (% +/-)	20%	\$ 21,142.86
Estimated Project Cost:	\$	141,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	2,338
Compliant	0
Total	2,338

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Harvard Avenue (M) (Creek Turnpike to 91st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,301	SY	\$ 80.00	\$ 104,080.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	104,080.00
Engineering: (% +/-)	15%	\$ 15,822.86
Contingency: (% +/-)	20%	\$ 21,097.14
Estimated Project Cost:	\$	141,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	2,341
Compliant	0
Total	2,341

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Heavy Traffic Way (Guthrie to 7th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	643	SY	\$ 10.00	\$ 6,430.00
2	CONCRETE SIDEWALK (SD-1)	846	SY	\$ 80.00	\$ 67,680.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	77,950.00
Engineering: (% +/-)	15%	\$ 12,021.43
Contingency: (% +/-)	20%	\$ 16,028.57
Estimated Project Cost:	\$	106,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	172
Medium	331
Low	954
Compliant	274
Total	1,731

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Heavy Traffic Way (Guthrie to 7th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	937	SY	\$ 80.00	\$ 74,960.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	74,960.00
Engineering: (% +/-)	15%	\$ 11,588.57
Contingency: (% +/-)	20%	\$ 15,451.43
Estimated Project Cost:	\$	102,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	1,685
Compliant	0
Total	1,685

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Houston Avenue (11th to Heavy Traffic) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	536	SY	\$ 10.00	\$ 5,360.00
2	CONCRETE SIDEWALK (SD-1)	536	SY	\$ 80.00	\$ 42,880.00
3	REMOVAL OF PAVEMENT	239	SY	\$ 10.00	\$ 2,390.00
4	CONCRETE DRIVEWAY	40	CY	\$ 500.00	\$ 20,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	70,630.00
Engineering: (% +/-)	15%	\$ 10,872.86
Contingency: (% +/-)	20%	\$ 14,497.14
Estimated Project Cost:	\$	96,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	240
Medium	339
Low	567
Compliant	918
Total	2,063

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Houston Avenue (11th to Heavy Traffic) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	835	SY	\$ 10.00	\$ 8,350.00
2	CONCRETE SIDEWALK (SD-1)	835	SY	\$ 80.00	\$ 66,800.00
3	REMOVAL OF PAVEMENT	166	SY	\$ 10.00	\$ 1,660.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	90,810.00
Engineering: (% +/-)	15%	\$ 13,795.71
Contingency: (% +/-)	20%	\$ 18,394.29
Estimated Project Cost:	\$	123,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	294
Medium	510
Low	941
Compliant	249
Total	1,994

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Kennosha Avenue (1st to 7th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	961	SY	\$ 10.00	\$ 9,610.00
2	CONCRETE SIDEWALK (SD-1)	1,100	SY	\$ 80.00	\$ 88,000.00
3	REMOVAL OF PAVEMENT	412	SY	\$ 10.00	\$ 4,120.00
4	CONCRETE DRIVEWAY	69	CY	\$ 500.00	\$ 34,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	136,730.00
Engineering: (% +/-)	15%	\$ 20,687.14
Contingency: (% +/-)	20%	\$ 27,582.86
Estimated Project Cost:	\$	185,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	532
Medium	374
Low	601
Compliant	1,007
Total	2,512

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Kennosha Avenue (1st to 7th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	289	SY	\$ 10.00	\$ 2,890.00
2	CONCRETE SIDEWALK (SD-1)	642	SY	\$ 80.00	\$ 51,360.00
3	REMOVAL OF PAVEMENT	695	SY	\$ 10.00	\$ 6,950.00
4	CONCRETE DRIVEWAY	116	CY	\$ 500.00	\$ 58,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	119,200.00
Engineering: (% +/-)	15%	\$ 17,914.29
Contingency: (% +/-)	20%	\$ 23,885.71
Estimated Project Cost:	\$	161,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	628
Medium	127
Low	913
Compliant	812
Total	2,480

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (A) (91st to 81st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	74	SY	\$ 10.00	\$ 740.00
2	CONCRETE SIDEWALK (SD-1)	2,691	SY	\$ 80.00	\$ 215,280.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	218,800.00
Engineering: (% +/-)	15%	\$ 33,085.71
Contingency: (% +/-)	20%	\$ 44,114.29
Estimated Project Cost:	\$	296,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	30
Low	4,838
Compliant	903
Total	5,771

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (A) (91st to 81st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	292	SY	\$ 10.00	\$ 2,920.00
2	CONCRETE SIDEWALK (SD-1)	2,955	SY	\$ 80.00	\$ 236,400.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	242,660.00
Engineering: (% +/-)	15%	\$ 36,574.29
Contingency: (% +/-)	20%	\$ 48,765.71
Estimated Project Cost:	\$	328,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	5
Low	5,134
Compliant	655
Total	5,794

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (B) (81st to 71st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,200	SY	\$ 10.00	\$ 12,000.00
2	CONCRETE SIDEWALK (SD-1)	2,919	SY	\$ 80.00	\$ 233,520.00
3	REMOVAL OF PAVEMENT	284	SY	\$ 10.00	\$ 2,840.00
4	CONCRETE DRIVEWAY	48	CY	\$ 500.00	\$ 24,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	272,360.00
Engineering: (% +/-)	15%	\$ 40,988.57
Contingency: (% +/-)	20%	\$ 54,651.43
Estimated Project Cost:	\$	368,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	25
Medium	940
Low	4,167
Compliant	0
Total	5,132

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (B) (81st to 71st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,124	SY	\$ 10.00	\$ 21,240.00
2	CONCRETE SIDEWALK (SD-1)	2,124	SY	\$ 80.00	\$ 169,920.00
3	REMOVAL OF PAVEMENT	473	SY	\$ 10.00	\$ 4,730.00
4	CONCRETE DRIVEWAY	79	CY	\$ 500.00	\$ 39,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	235,390.00
Engineering: (% +/-)	15%	\$ 35,404.29
Contingency: (% +/-)	20%	\$ 47,205.71
Estimated Project Cost:	\$	318,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	339
Medium	1,328
Low	2,070
Compliant	1,388
Total	5,125

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (C) (71st to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,533	SY	\$ 10.00	\$ 25,330.00
2	CONCRETE SIDEWALK (SD-1)	2,811	SY	\$ 80.00	\$ 224,880.00
3	REMOVAL OF PAVEMENT	395	SY	\$ 10.00	\$ 3,950.00
4	CONCRETE DRIVEWAY	66	CY	\$ 500.00	\$ 33,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	287,160.00
Engineering: (% +/-)	15%	\$ 43,217.14
Contingency: (% +/-)	20%	\$ 57,622.86
Estimated Project Cost:	\$	388,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	177
Medium	1,987
Low	2,516
Compliant	443
Total	5,123

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (C) (71st to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,281	SY	\$ 10.00	\$ 22,810.00
2	CONCRETE SIDEWALK (SD-1)	2,497	SY	\$ 80.00	\$ 199,760.00
3	REMOVAL OF PAVEMENT	862	SY	\$ 10.00	\$ 8,620.00
4	CONCRETE DRIVEWAY	144	CY	\$ 500.00	\$ 72,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	303,190.00
Engineering: (% +/-)	15%	\$ 45,775.71
Contingency: (% +/-)	20%	\$ 61,034.29
Estimated Project Cost:	\$	410,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	90
Medium	1,394
Low	3,102
Compliant	527
Total	5,113

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (D) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	641	SY	\$ 10.00	\$ 6,410.00
2	CONCRETE SIDEWALK (SD-1)	2,678	SY	\$ 80.00	\$ 214,240.00
3	REMOVAL OF PAVEMENT	150	SY	\$ 10.00	\$ 1,500.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	238,650.00
Engineering: (% +/-)	15%	\$ 36,150.00
Contingency: (% +/-)	20%	\$ 48,200.00
Estimated Project Cost:	\$	323,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	211
Medium	721
Low	3,986
Compliant	269
Total	5,187

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (D) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	342	SY	\$ 10.00	\$ 3,420.00
2	CONCRETE SIDEWALK (SD-1)	2,748	SY	\$ 80.00	\$ 219,840.00
3	REMOVAL OF PAVEMENT	67	SY	\$ 10.00	\$ 670.00
4	CONCRETE DRIVEWAY	12	CY	\$ 500.00	\$ 6,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,930.00
Engineering: (% +/-)	15%	\$ 34,744.29
Contingency: (% +/-)	20%	\$ 46,325.71
Estimated Project Cost:	\$	311,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	95
Medium	175
Low	4,634
Compliant	263
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (E) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,263	SY	\$ 10.00	\$ 22,630.00
2	CONCRETE SIDEWALK (SD-1)	2,352	SY	\$ 80.00	\$ 188,160.00
3	REMOVAL OF PAVEMENT	450	SY	\$ 10.00	\$ 4,500.00
4	CONCRETE DRIVEWAY	75	CY	\$ 500.00	\$ 37,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	4	LS	\$ 500.00	\$ 2,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	255,290.00
Engineering: (% +/-)	15%	\$ 38,447.14
Contingency: (% +/-)	20%	\$ 51,262.86
Estimated Project Cost:	\$	345,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,146
Medium	2,124
Low	1,685
Compliant	261
Total	5,216

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (E) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,157	SY	\$ 10.00	\$ 21,570.00
2	CONCRETE SIDEWALK (SD-1)	2,174	SY	\$ 80.00	\$ 173,920.00
3	REMOVAL OF PAVEMENT	289	SY	\$ 10.00	\$ 2,890.00
4	CONCRETE DRIVEWAY	49	CY	\$ 500.00	\$ 24,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	40	LF	\$ 75.00	\$ 3,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,380.00
Engineering: (% +/-)	15%	\$ 34,122.86
Contingency: (% +/-)	20%	\$ 45,497.14
Estimated Project Cost:	\$	306,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	778
Medium	1,890
Low	1,738
Compliant	797
Total	5,203

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (H) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,076	SY	\$ 10.00	\$ 10,760.00
2	CONCRETE SIDEWALK (SD-1)	1,129	SY	\$ 80.00	\$ 90,320.00
3	REMOVAL OF PAVEMENT	1,023	SY	\$ 10.00	\$ 10,230.00
4	CONCRETE DRIVEWAY	171	CY	\$ 500.00	\$ 85,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	197,310.00
Engineering: (% +/-)	15%	\$ 29,867.14
Contingency: (% +/-)	20%	\$ 39,822.86
Estimated Project Cost:	\$	267,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	913
Medium	448
Low	1,389
Compliant	2,483
Total	5,233

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (H) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,094	SY	\$ 10.00	\$ 10,940.00
2	CONCRETE SIDEWALK (SD-1)	1,127	SY	\$ 80.00	\$ 90,160.00
3	REMOVAL OF PAVEMENT	667	SY	\$ 10.00	\$ 6,670.00
4	CONCRETE DRIVEWAY	112	CY	\$ 500.00	\$ 56,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	164,270.00
Engineering: (% +/-)	15%	\$ 24,741.43
Contingency: (% +/-)	20%	\$ 32,988.57
Estimated Project Cost:	\$	222,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	453
Medium	376
Low	1,195
Compliant	3,207
Total	5,231

Client: City of Tulsa, Oklahoma Program: ADA Self-Evaluation and Transition Plan Update KHA No.: 061277900	Date: 7/24/2012 Prepared By: EPE Checked By: SRA
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Corridor: Lewis Avenue (I) (11th to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,519	SY	\$ 10.00	\$ 25,190.00
2	CONCRETE SIDEWALK (SD-1)	2,544	SY	\$ 80.00	\$ 203,520.00
3	REMOVAL OF PAVEMENT	906	SY	\$ 10.00	\$ 9,060.00
4	CONCRETE DRIVEWAY	151	CY	\$ 500.00	\$ 75,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection		Subtotal: \$	313,770.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-) 15%	\$ 47,241.43
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20%	\$ 62,988.57
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 424,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,065
Medium	1,176
Low	1,304
Compliant	1,182
Total	4,727

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (I) (11th to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	4,021	SY	\$ 10.00	\$ 40,210.00
2	CONCRETE SIDEWALK (SD-1)	4,021	SY	\$ 80.00	\$ 321,680.00
3	REMOVAL OF PAVEMENT	578	SY	\$ 10.00	\$ 5,780.00
4	CONCRETE DRIVEWAY	97	CY	\$ 500.00	\$ 48,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	416,170.00
Engineering: (% +/-)	15%	\$ 62,498.57
Contingency: (% +/-)	20%	\$ 83,331.43
Estimated Project Cost:	\$	562,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	567
Medium	1,098
Low	2,132
Compliant	961
Total	4,758

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (J) (Admiral to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,191	SY	\$ 10.00	\$ 21,910.00
2	CONCRETE SIDEWALK (SD-1)	2,301	SY	\$ 80.00	\$ 184,080.00
3	REMOVAL OF PAVEMENT	1,367	SY	\$ 10.00	\$ 13,670.00
4	CONCRETE DRIVEWAY	228	CY	\$ 500.00	\$ 114,000.00
5	RELOCATE FIRE HYDRANT	2	LS	\$ 2,000.00	\$ 4,000.00
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	339,160.00
Engineering: (% +/-)	15%	\$ 50,931.43
Contingency: (% +/-)	20%	\$ 67,908.57
Estimated Project Cost:	\$	458,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,319
Medium	1,395
Low	1,776
Compliant	1,302
Total	5,793

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (J) (Admiral to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,413	SY	\$ 10.00	\$ 24,130.00
2	CONCRETE SIDEWALK (SD-1)	2,421	SY	\$ 80.00	\$ 193,680.00
3	REMOVAL OF PAVEMENT	1,028	SY	\$ 10.00	\$ 10,280.00
4	CONCRETE DRIVEWAY	172	CY	\$ 500.00	\$ 86,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	315,590.00
Engineering: (% +/-)	15%	\$ 47,747.14
Contingency: (% +/-)	20%	\$ 63,662.86
Estimated Project Cost:	\$	427,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,022
Medium	1,626
Low	1,855
Compliant	1,300
Total	5,803

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (K) (Pine to Apache) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,289	SY	\$ 10.00	\$ 12,890.00
2	CONCRETE SIDEWALK (SD-1)	2,108	SY	\$ 80.00	\$ 168,640.00
3	REMOVAL OF PAVEMENT	1,356	SY	\$ 10.00	\$ 13,560.00
4	CONCRETE DRIVEWAY	226	CY	\$ 500.00	\$ 113,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	309,090.00
Engineering: (% +/-)	15%	\$ 46,675.71
Contingency: (% +/-)	20%	\$ 62,234.29
Estimated Project Cost:	\$	418,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,700
Medium	1,038
Low	2,122
Compliant	302
Total	5,162

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (K) (Pine to Apache) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	984	SY	\$ 10.00	\$ 9,840.00
2	CONCRETE SIDEWALK (SD-1)	2,182	SY	\$ 80.00	\$ 174,560.00
3	REMOVAL OF PAVEMENT	623	SY	\$ 10.00	\$ 6,230.00
4	CONCRETE DRIVEWAY	104	CY	\$ 500.00	\$ 52,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	242,630.00
Engineering: (% +/-)	15%	\$ 36,587.14
Contingency: (% +/-)	20%	\$ 48,782.86
Estimated Project Cost:	\$	328,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	503
Medium	547
Low	3,365
Compliant	751
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (L) (Apache to 36th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,196	SY	\$ 10.00	\$ 11,960.00
2	CONCRETE SIDEWALK (SD-1)	2,589	SY	\$ 80.00	\$ 207,120.00
3	REMOVAL OF PAVEMENT	245	SY	\$ 10.00	\$ 2,450.00
4	CONCRETE DRIVEWAY	41	CY	\$ 500.00	\$ 20,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	242,530.00
Engineering: (% +/-)	15%	\$ 36,630.00
Contingency: (% +/-)	20%	\$ 48,840.00
Estimated Project Cost:	\$	328,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	304
Medium	713
Low	3,603
Compliant	564
Total	5,183

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (L) (Apache to 36th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,358	SY	\$ 10.00	\$ 13,580.00
2	CONCRETE SIDEWALK (SD-1)	2,952	SY	\$ 80.00	\$ 236,160.00
3	REMOVAL OF PAVEMENT	39	SY	\$ 10.00	\$ 390.00
4	CONCRETE DRIVEWAY	7	CY	\$ 500.00	\$ 3,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	254,630.00
Engineering: (% +/-)	15%	\$ 38,301.43
Contingency: (% +/-)	20%	\$ 51,068.57
Estimated Project Cost:	\$	344,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	7
Medium	1,187
Low	3,648
Compliant	320
Total	5,163

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (M) (36th to 46th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	203	SY	\$ 10.00	\$ 2,030.00
2	CONCRETE SIDEWALK (SD-1)	2,671	SY	\$ 80.00	\$ 213,680.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,210.00
Engineering: (% +/-)	15%	\$ 34,195.71
Contingency: (% +/-)	20%	\$ 45,594.29
Estimated Project Cost:	\$	306,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	98
Medium	250
Low	4,621
Compliant	172
Total	5,141

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (M) (36th to 46th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	101	SY	\$ 10.00	\$ 1,010.00
2	CONCRETE SIDEWALK (SD-1)	2,642	SY	\$ 80.00	\$ 211,360.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	219,650.00
Engineering: (% +/-)	15%	\$ 33,150.00
Contingency: (% +/-)	20%	\$ 44,200.00
Estimated Project Cost:	\$	297,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	105
Medium	64
Low	4,655
Compliant	321
Total	5,145

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (N) (46th to 56th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	92	SY	\$ 10.00	\$ 920.00
2	CONCRETE SIDEWALK (SD-1)	2,679	SY	\$ 80.00	\$ 214,320.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	215,240.00
Engineering: (% +/-)	15%	\$ 32,468.57
Contingency: (% +/-)	20%	\$ 43,291.43
Estimated Project Cost:	\$	291,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	132
Low	4,730
Compliant	252
Total	5,114

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Lewis Avenue (N) (46th to 56th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	528	SY	\$ 10.00	\$ 5,280.00
2	CONCRETE SIDEWALK (SD-1)	2,667	SY	\$ 80.00	\$ 213,360.00
3	REMOVAL OF PAVEMENT	39	SY	\$ 10.00	\$ 390.00
4	CONCRETE DRIVEWAY	7	CY	\$ 500.00	\$ 3,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	222,530.00
Engineering: (% +/-)	15%	\$ 33,630.00
Contingency: (% +/-)	20%	\$ 44,840.00
Estimated Project Cost:	\$	301,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	107
Medium	433
Low	4,066
Compliant	503
Total	5,109

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Main Street (A) (Hwy 64 to 4th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,714	SY	\$ 10.00	\$ 17,140.00
2	CONCRETE SIDEWALK (SD-1)	1,714	SY	\$ 80.00	\$ 137,120.00
3	REMOVAL OF PAVEMENT	539	SY	\$ 10.00	\$ 5,390.00
4	CONCRETE DRIVEWAY	90	CY	\$ 500.00	\$ 45,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	204,650.00
Engineering: (% +/-)	15%	\$ 31,007.14
Contingency: (% +/-)	20%	\$ 41,342.86
Estimated Project Cost:	\$	277,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	432
Medium	281
Low	1,031
Compliant	1,514
Total	3,258

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Main Street (A) (Hwy 64 to 4th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,561	SY	\$ 10.00	\$ 15,610.00
2	CONCRETE SIDEWALK (SD-1)	1,561	SY	\$ 80.00	\$ 124,880.00
3	REMOVAL OF PAVEMENT	195	SY	\$ 10.00	\$ 1,950.00
4	CONCRETE DRIVEWAY	33	CY	\$ 500.00	\$ 16,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	158,940.00
Engineering: (% +/-)	15%	\$ 24,025.71
Contingency: (% +/-)	20%	\$ 32,034.29
Estimated Project Cost:	\$	215,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	262
Medium	329
Low	856
Compliant	1,789
Total	3,236

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Main Street (B) (4th to 3rd) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	247	SY	\$ 10.00	\$ 2,470.00
2	CONCRETE SIDEWALK (SD-1)	247	SY	\$ 80.00	\$ 19,760.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	22,230.00
Engineering: (% +/-)	15%	\$ 3,758.57
Contingency: (% +/-)	20%	\$ 5,011.43
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	97
Compliant	196
Total	293

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Main Street (B) (4th to 3rd) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	452	SY	\$ 10.00	\$ 4,520.00
2	CONCRETE SIDEWALK (SD-1)	452	SY	\$ 80.00	\$ 36,160.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	40,680.00
Engineering: (% +/-)	15%	\$ 6,137.14
Contingency: (% +/-)	20%	\$ 8,182.86
Estimated Project Cost:	\$	55,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	150
Compliant	146
Total	297

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Main Street (C) (1st to Fairview) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,767	SY	\$ 10.00	\$ 17,670.00
2	CONCRETE SIDEWALK (SD-1)	1,881	SY	\$ 80.00	\$ 150,480.00
3	REMOVAL OF PAVEMENT	256	SY	\$ 10.00	\$ 2,560.00
4	CONCRETE DRIVEWAY	43	CY	\$ 500.00	\$ 21,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,210.00
Engineering: (% +/-)	15%	\$ 29,052.86
Contingency: (% +/-)	20%	\$ 38,737.14
Estimated Project Cost:	\$	260,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	137
Medium	132
Low	1,381
Compliant	1,170
Total	2,820

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Main Street (C) (1st to Fairview) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,145	SY	\$ 10.00	\$ 11,450.00
2	CONCRETE SIDEWALK (SD-1)	1,284	SY	\$ 80.00	\$ 102,720.00
3	REMOVAL OF PAVEMENT	178	SY	\$ 10.00	\$ 1,780.00
4	CONCRETE DRIVEWAY	30	CY	\$ 500.00	\$ 15,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	130,950.00
Engineering: (% +/-)	15%	\$ 19,735.71
Contingency: (% +/-)	20%	\$ 26,314.29
Estimated Project Cost:	\$	177,000.00

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Project Location

Project Details

Priority	Length (LF)
High	190
Medium	182
Low	854
Compliant	1,605
Total	2,831

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (A) (101st to 91st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,212	SY	\$ 10.00	\$ 12,120.00
2	CONCRETE SIDEWALK (SD-1)	2,013	SY	\$ 80.00	\$ 161,040.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	182,660.00
Engineering: (% +/-)	15%	\$ 27,574.29
Contingency: (% +/-)	20%	\$ 36,765.71
Estimated Project Cost:	\$	247,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	25
Medium	418
Low	3,383
Compliant	1,339
Total	5,165

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (A) (101st to 91st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	927	SY	\$ 10.00	\$ 9,270.00
2	CONCRETE SIDEWALK (SD-1)	2,062	SY	\$ 80.00	\$ 164,960.00
3	REMOVAL OF PAVEMENT	245	SY	\$ 10.00	\$ 2,450.00
4	CONCRETE DRIVEWAY	41	CY	\$ 500.00	\$ 20,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	197,180.00
Engineering: (% +/-)	15%	\$ 29,922.86
Contingency: (% +/-)	20%	\$ 39,897.14
Estimated Project Cost:	\$	267,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	473
Low	3,177
Compliant	1,533
Total	5,182

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (B) (91st to 81st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	217	SY	\$ 10.00	\$ 2,170.00
2	CONCRETE SIDEWALK (SD-1)	2,724	SY	\$ 80.00	\$ 217,920.00
3	REMOVAL OF PAVEMENT	56	SY	\$ 10.00	\$ 560.00
4	CONCRETE DRIVEWAY	10	CY	\$ 500.00	\$ 5,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	225,650.00
Engineering: (% +/-)	15%	\$ 34,007.14
Contingency: (% +/-)	20%	\$ 45,342.86
Estimated Project Cost:	\$	305,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	45
Medium	126
Low	4,873
Compliant	103
Total	5,148

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (B) (91st to 81st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,856	SY	\$ 80.00	\$ 228,480.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,480.00
Engineering: (% +/-)	15%	\$ 34,508.57
Contingency: (% +/-)	20%	\$ 46,011.43
Estimated Project Cost:	\$	309,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,139
Compliant	0
Total	5,139

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (C) (81st to 71st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	345	SY	\$ 10.00	\$ 3,450.00
2	CONCRETE SIDEWALK (SD-1)	2,675	SY	\$ 80.00	\$ 214,000.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,840.00
Engineering: (% +/-)	15%	\$ 34,782.86
Contingency: (% +/-)	20%	\$ 46,377.14
Estimated Project Cost:	\$	312,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	75
Medium	266
Low	4,599
Compliant	190
Total	5,129

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (C) (81st to 71st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	436	SY	\$ 10.00	\$ 4,360.00
2	CONCRETE SIDEWALK (SD-1)	2,753	SY	\$ 80.00	\$ 220,240.00
3	REMOVAL OF PAVEMENT	95	SY	\$ 10.00	\$ 950.00
4	CONCRETE DRIVEWAY	16	CY	\$ 500.00	\$ 8,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	233,550.00
Engineering: (% +/-)	15%	\$ 35,335.71
Contingency: (% +/-)	20%	\$ 47,114.29
Estimated Project Cost:	\$	316,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	176
Medium	365
Low	4,428
Compliant	148
Total	5,117

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (D) (71st to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	799	SY	\$ 10.00	\$ 7,990.00
2	CONCRETE SIDEWALK (SD-1)	2,672	SY	\$ 80.00	\$ 213,760.00
3	REMOVAL OF PAVEMENT	67	SY	\$ 10.00	\$ 670.00
4	CONCRETE DRIVEWAY	12	CY	\$ 500.00	\$ 6,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,420.00
Engineering: (% +/-)	15%	\$ 34,534.29
Contingency: (% +/-)	20%	\$ 46,045.71
Estimated Project Cost:	\$	309,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	63
Medium	378
Low	4,179
Compliant	540
Total	5,160

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (D) (71st to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	435	SY	\$ 10.00	\$ 4,350.00
2	CONCRETE SIDEWALK (SD-1)	2,837	SY	\$ 80.00	\$ 226,960.00
3	REMOVAL OF PAVEMENT	106	SY	\$ 10.00	\$ 1,060.00
4	CONCRETE DRIVEWAY	18	CY	\$ 500.00	\$ 9,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	241,370.00
Engineering: (% +/-)	15%	\$ 36,270.00
Contingency: (% +/-)	20%	\$ 48,360.00
Estimated Project Cost:	\$	326,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	297
Medium	393
Low	4,428
Compliant	0
Total	5,118

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (E) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	154	SY	\$ 10.00	\$ 1,540.00
2	CONCRETE SIDEWALK (SD-1)	2,844	SY	\$ 80.00	\$ 227,520.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,060.00
Engineering: (% +/-)	15%	\$ 34,688.57
Contingency: (% +/-)	20%	\$ 46,251.43
Estimated Project Cost:	\$	310,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	61
Low	5,034
Compliant	81
Total	5,176

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (E) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	50	SY	\$ 10.00	\$ 500.00
2	CONCRETE SIDEWALK (SD-1)	2,811	SY	\$ 80.00	\$ 224,880.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,720.00
Engineering: (% +/-)	15%	\$ 34,405.71
Contingency: (% +/-)	20%	\$ 45,874.29
Estimated Project Cost:	\$	309,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,045
Compliant	111
Total	5,156

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (F) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,802	SY	\$ 80.00	\$ 224,160.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	224,160.00
Engineering: (% +/-)	15%	\$ 33,788.57
Contingency: (% +/-)	20%	\$ 45,051.43
Estimated Project Cost:	\$	303,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,043
Compliant	39
Total	5,082

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (F) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	38	SY	\$ 10.00	\$ 380.00
2	CONCRETE SIDEWALK (SD-1)	2,592	SY	\$ 80.00	\$ 207,360.00
3	REMOVAL OF PAVEMENT	45	SY	\$ 10.00	\$ 450.00
4	CONCRETE DRIVEWAY	8	CY	\$ 500.00	\$ 4,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	212,190.00
Engineering: (% +/-)	15%	\$ 32,061.43
Contingency: (% +/-)	20%	\$ 42,748.57
Estimated Project Cost:	\$	287,000.00

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Project Location

Project Details

Priority	Length (LF)
High	40
Medium	0
Low	4,665
Compliant	388
Total	5,093

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (G) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	432	SY	\$ 10.00	\$ 4,320.00
2	CONCRETE SIDEWALK (SD-1)	2,812	SY	\$ 80.00	\$ 224,960.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,280.00
Engineering: (% +/-)	15%	\$ 34,594.29
Contingency: (% +/-)	20%	\$ 46,125.71
Estimated Project Cost:	\$	310,000.00

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Project Location

Project Details

Priority	Length (LF)
High	20
Medium	124
Low	4,614
Compliant	300
Total	5,057

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (G) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	441	SY	\$ 10.00	\$ 4,410.00
2	CONCRETE SIDEWALK (SD-1)	2,265	SY	\$ 80.00	\$ 181,200.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	188,390.00
Engineering: (% +/-)	15%	\$ 28,547.14
Contingency: (% +/-)	20%	\$ 38,062.86
Estimated Project Cost:	\$	255,000.00

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Project Location

Project Details

Priority	Length (LF)
High	37
Medium	100
Low	3,711
Compliant	1,221
Total	5,070

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (H) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	199	SY	\$ 10.00	\$ 1,990.00
2	CONCRETE SIDEWALK (SD-1)	2,568	SY	\$ 80.00	\$ 205,440.00
3	REMOVAL OF PAVEMENT	23	SY	\$ 10.00	\$ 230.00
4	CONCRETE DRIVEWAY	4	CY	\$ 500.00	\$ 2,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	209,660.00
Engineering: (% +/-)	15%	\$ 31,860.00
Contingency: (% +/-)	20%	\$ 42,480.00
Estimated Project Cost:	\$	284,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	69
Low	4,555
Compliant	486
Total	5,110

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (H) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	173	SY	\$ 10.00	\$ 1,730.00
2	CONCRETE SIDEWALK (SD-1)	2,302	SY	\$ 80.00	\$ 184,160.00
3	REMOVAL OF PAVEMENT	67	SY	\$ 10.00	\$ 670.00
4	CONCRETE DRIVEWAY	12	CY	\$ 500.00	\$ 6,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,560.00
Engineering: (% +/-)	15%	\$ 28,902.86
Contingency: (% +/-)	20%	\$ 38,537.14
Estimated Project Cost:	\$	260,000.00

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Project Location

Project Details

Priority	Length (LF)
High	51
Medium	138
Low	4,073
Compliant	861
Total	5,122

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (I) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	137	SY	\$ 10.00	\$ 1,370.00
2	CONCRETE SIDEWALK (SD-1)	2,670	SY	\$ 80.00	\$ 213,600.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	217,750.00
Engineering: (% +/-)	15%	\$ 32,678.57
Contingency: (% +/-)	20%	\$ 43,571.43
Estimated Project Cost:	\$	294,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	82
Low	4,748
Compliant	292
Total	5,123

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (I) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,847	SY	\$ 80.00	\$ 227,760.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,760.00
Engineering: (% +/-)	15%	\$ 34,388.57
Contingency: (% +/-)	20%	\$ 45,851.43
Estimated Project Cost:	\$	308,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,124
Compliant	0
Total	5,124

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (J) (11th to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,422	SY	\$ 80.00	\$ 193,760.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	193,760.00
Engineering: (% +/-)	15%	\$ 29,245.71
Contingency: (% +/-)	20%	\$ 38,994.29
Estimated Project Cost:	\$	262,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,358
Compliant	63
Total	4,421

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (J) (11th to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,459	SY	\$ 80.00	\$ 196,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	196,720.00
Engineering: (% +/-)	15%	\$ 29,691.43
Contingency: (% +/-)	20%	\$ 39,588.57
Estimated Project Cost:	\$	266,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,425
Compliant	0
Total	4,425

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (K) (Admiral to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	193	SY	\$ 10.00	\$ 1,930.00
2	CONCRETE SIDEWALK (SD-1)	2,714	SY	\$ 80.00	\$ 217,120.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,050.00
Engineering: (% +/-)	15%	\$ 34,692.86
Contingency: (% +/-)	20%	\$ 46,257.14
Estimated Project Cost:	\$	311,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	110
Medium	120
Low	4,757
Compliant	826
Total	5,812

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (K) (Admiral to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	272	SY	\$ 10.00	\$ 2,720.00
2	CONCRETE SIDEWALK (SD-1)	2,819	SY	\$ 80.00	\$ 225,520.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	232,020.00
Engineering: (% +/-)	15%	\$ 35,134.29
Contingency: (% +/-)	20%	\$ 46,845.71
Estimated Project Cost:	\$	314,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	59
Medium	155
Low	4,942
Compliant	676
Total	5,832

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (L) (101st to 400' south of 101st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	124	SY	\$ 10.00	\$ 1,240.00
2	CONCRETE SIDEWALK (SD-1)	124	SY	\$ 80.00	\$ 9,920.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	11,160.00
Engineering: (% +/-)	15%	\$ 2,074.29
Contingency: (% +/-)	20%	\$ 2,765.71
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	30
Low	223
Compliant	0
Total	253

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Memorial Drive (L) (101st to 400' south of 101st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	150	SY	\$ 10.00	\$ 1,500.00
2	CONCRETE SIDEWALK (SD-1)	150	SY	\$ 80.00	\$ 12,000.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	16,280.00
Engineering: (% +/-)	15%	\$ 2,451.43
Contingency: (% +/-)	20%	\$ 3,268.57
Estimated Project Cost:	\$	22,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	88
Low	206
Compliant	64
Total	359

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (A) (101st to 91st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,198	SY	\$ 10.00	\$ 11,980.00
2	CONCRETE SIDEWALK (SD-1)	2,131	SY	\$ 80.00	\$ 170,480.00
3	REMOVAL OF PAVEMENT	212	SY	\$ 10.00	\$ 2,120.00
4	CONCRETE DRIVEWAY	36	CY	\$ 500.00	\$ 18,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	202,580.00
Engineering: (% +/-)	15%	\$ 30,608.57
Contingency: (% +/-)	20%	\$ 40,811.43
Estimated Project Cost:	\$	274,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	245
Medium	1,243
Low	2,537
Compliant	1,125
Total	5,151

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (A) (101st to 91st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,179	SY	\$ 10.00	\$ 11,790.00
2	CONCRETE SIDEWALK (SD-1)	2,698	SY	\$ 80.00	\$ 215,840.00
3	REMOVAL OF PAVEMENT	84	SY	\$ 10.00	\$ 840.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	235,470.00
Engineering: (% +/-)	15%	\$ 35,370.00
Contingency: (% +/-)	20%	\$ 47,160.00
Estimated Project Cost:	\$	318,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	75
Medium	318
Low	4,193
Compliant	548
Total	5,133

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (B) (91st to 81st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	336	SY	\$ 10.00	\$ 3,360.00
2	CONCRETE SIDEWALK (SD-1)	2,710	SY	\$ 80.00	\$ 216,800.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	220,160.00
Engineering: (% +/-)	15%	\$ 33,360.00
Contingency: (% +/-)	20%	\$ 44,480.00
Estimated Project Cost:	\$	298,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	146
Low	4,701
Compliant	301
Total	5,148

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (B) (91st to 81st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	167	SY	\$ 10.00	\$ 1,670.00
2	CONCRETE SIDEWALK (SD-1)	2,539	SY	\$ 80.00	\$ 203,120.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	207,570.00
Engineering: (% +/-)	15%	\$ 31,470.00
Contingency: (% +/-)	20%	\$ 41,960.00
Estimated Project Cost:	\$	281,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	25
Low	4,570
Compliant	566
Total	5,161

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (C) (81st to 71st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	566	SY	\$ 10.00	\$ 5,660.00
2	CONCRETE SIDEWALK (SD-1)	2,497	SY	\$ 80.00	\$ 199,760.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	217,700.00
Engineering: (% +/-)	15%	\$ 32,700.00
Contingency: (% +/-)	20%	\$ 43,600.00
Estimated Project Cost:	\$	294,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	60
Medium	5
Low	4,611
Compliant	469
Total	5,145

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (C) (81st to 71st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	499	SY	\$ 10.00	\$ 4,990.00
2	CONCRETE SIDEWALK (SD-1)	2,716	SY	\$ 80.00	\$ 217,280.00
3	REMOVAL OF PAVEMENT	39	SY	\$ 10.00	\$ 390.00
4	CONCRETE DRIVEWAY	7	CY	\$ 500.00	\$ 3,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,160.00
Engineering: (% +/-)	15%	\$ 34,217.14
Contingency: (% +/-)	20%	\$ 45,622.86
Estimated Project Cost:	\$	306,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	78
Medium	289
Low	4,549
Compliant	219
Total	5,136

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (D) (71st to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,322	SY	\$ 10.00	\$ 23,220.00
2	CONCRETE SIDEWALK (SD-1)	2,322	SY	\$ 80.00	\$ 185,760.00
3	REMOVAL OF PAVEMENT	662	SY	\$ 10.00	\$ 6,620.00
4	CONCRETE DRIVEWAY	111	CY	\$ 500.00	\$ 55,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	272,600.00
Engineering: (% +/-)	15%	\$ 41,314.29
Contingency: (% +/-)	20%	\$ 55,085.71
Estimated Project Cost:	\$	369,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	335
Medium	2,640
Low	1,829
Compliant	344
Total	5,148

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (D) (71st to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,341	SY	\$ 10.00	\$ 23,410.00
2	CONCRETE SIDEWALK (SD-1)	2,341	SY	\$ 80.00	\$ 187,280.00
3	REMOVAL OF PAVEMENT	589	SY	\$ 10.00	\$ 5,890.00
4	CONCRETE DRIVEWAY	99	CY	\$ 500.00	\$ 49,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	267,580.00
Engineering: (% +/-)	15%	\$ 40,465.71
Contingency: (% +/-)	20%	\$ 53,954.29
Estimated Project Cost:	\$	362,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	381
Medium	1,219
Low	2,504
Compliant	1,039
Total	5,143

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (E) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,007	SY	\$ 10.00	\$ 20,070.00
2	CONCRETE SIDEWALK (SD-1)	2,007	SY	\$ 80.00	\$ 160,560.00
3	REMOVAL OF PAVEMENT	712	SY	\$ 10.00	\$ 7,120.00
4	CONCRETE DRIVEWAY	119	CY	\$ 500.00	\$ 59,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	247,750.00
Engineering: (% +/-)	15%	\$ 37,392.86
Contingency: (% +/-)	20%	\$ 49,857.14
Estimated Project Cost:	\$	335,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	864
Medium	1,795
Low	1,536
Compliant	955
Total	5,151

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (E) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,155	SY	\$ 10.00	\$ 21,550.00
2	CONCRETE SIDEWALK (SD-1)	2,155	SY	\$ 80.00	\$ 172,400.00
3	REMOVAL OF PAVEMENT	712	SY	\$ 10.00	\$ 7,120.00
4	CONCRETE DRIVEWAY	119	CY	\$ 500.00	\$ 59,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	261,570.00
Engineering: (% +/-)	15%	\$ 39,612.86
Contingency: (% +/-)	20%	\$ 52,817.14
Estimated Project Cost:	\$	354,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	806
Medium	1,088
Low	2,576
Compliant	691
Total	5,161

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (F) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	969	SY	\$ 10.00	\$ 9,690.00
2	CONCRETE SIDEWALK (SD-1)	1,058	SY	\$ 80.00	\$ 84,640.00
3	REMOVAL OF PAVEMENT	767	SY	\$ 10.00	\$ 7,670.00
4	CONCRETE DRIVEWAY	128	CY	\$ 500.00	\$ 64,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	166,500.00
Engineering: (% +/-)	15%	\$ 25,071.43
Contingency: (% +/-)	20%	\$ 33,428.57
Estimated Project Cost:	\$	225,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	727
Medium	390
Low	1,380
Compliant	2,659
Total	5,157

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (F) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	794	SY	\$ 10.00	\$ 7,940.00
2	CONCRETE SIDEWALK (SD-1)	915	SY	\$ 80.00	\$ 73,200.00
3	REMOVAL OF PAVEMENT	684	SY	\$ 10.00	\$ 6,840.00
4	CONCRETE DRIVEWAY	114	CY	\$ 500.00	\$ 57,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	145,980.00
Engineering: (% +/-)	15%	\$ 22,294.29
Contingency: (% +/-)	20%	\$ 29,725.71
Estimated Project Cost:	\$	198,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	619
Medium	103
Low	1,393
Compliant	3,046
Total	5,162

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (G) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	193	SY	\$ 10.00	\$ 1,930.00
2	CONCRETE SIDEWALK (SD-1)	2,431	SY	\$ 80.00	\$ 194,480.00
3	REMOVAL OF PAVEMENT	200	SY	\$ 10.00	\$ 2,000.00
4	CONCRETE DRIVEWAY	34	CY	\$ 500.00	\$ 17,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	215,410.00
Engineering: (% +/-)	15%	\$ 32,395.71
Contingency: (% +/-)	20%	\$ 43,194.29
Estimated Project Cost:	\$	291,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	207
Medium	89
Low	4,265
Compliant	620
Total	5,181

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (G) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	321	SY	\$ 10.00	\$ 3,210.00
2	CONCRETE SIDEWALK (SD-1)	2,619	SY	\$ 80.00	\$ 209,520.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,120.00
Engineering: (% +/-)	15%	\$ 34,234.29
Contingency: (% +/-)	20%	\$ 45,645.71
Estimated Project Cost:	\$	307,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	309
Medium	169
Low	4,379
Compliant	318
Total	5,176

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (H) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,676	SY	\$ 10.00	\$ 26,760.00
2	CONCRETE SIDEWALK (SD-1)	2,676	SY	\$ 80.00	\$ 214,080.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	250,340.00
Engineering: (% +/-)	15%	\$ 37,568.57
Contingency: (% +/-)	20%	\$ 50,091.43
Estimated Project Cost:	\$	338,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,208
Medium	1,734
Low	1,990
Compliant	742
Total	5,675

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (H) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,532	SY	\$ 10.00	\$ 15,320.00
2	CONCRETE SIDEWALK (SD-1)	2,572	SY	\$ 80.00	\$ 205,760.00
3	REMOVAL OF PAVEMENT	100	SY	\$ 10.00	\$ 1,000.00
4	CONCRETE DRIVEWAY	17	CY	\$ 500.00	\$ 8,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,580.00
Engineering: (% +/-)	15%	\$ 34,894.29
Contingency: (% +/-)	20%	\$ 46,525.71
Estimated Project Cost:	\$	312,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	813
Medium	779
Low	3,272
Compliant	807
Total	5,671

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (I) (north of I-244 to south of I-244) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	411	SY	\$ 10.00	\$ 4,110.00
2	CONCRETE SIDEWALK (SD-1)	411	SY	\$ 80.00	\$ 32,880.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	36,990.00
Engineering: (% +/-)	15%	\$ 5,575.71
Contingency: (% +/-)	20%	\$ 7,434.29
Estimated Project Cost:	\$	50,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	213
Medium	330
Low	164
Compliant	99
Total	806

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Mingo Road (I) (north of I-244 to south of I-244) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	473	SY	\$ 10.00	\$ 4,730.00
2	CONCRETE SIDEWALK (SD-1)	473	SY	\$ 80.00	\$ 37,840.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	45,350.00
Engineering: (% +/-)	15%	\$ 7,135.71
Contingency: (% +/-)	20%	\$ 9,514.29
Estimated Project Cost:	\$	62,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	128
Medium	341
Low	318
Compliant	226
Total	1,012

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (A) (Riverside to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,592	SY	\$ 80.00	\$ 207,360.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	207,360.00
Engineering: (% +/-)	15%	\$ 31,131.43
Contingency: (% +/-)	20%	\$ 41,508.57
Estimated Project Cost:	\$	280,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,665
Compliant	0
Total	4,665

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (A) (Riverside to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,459	SY	\$ 10.00	\$ 14,590.00
2	CONCRETE SIDEWALK (SD-1)	1,467	SY	\$ 80.00	\$ 117,360.00
3	REMOVAL OF PAVEMENT	589	SY	\$ 10.00	\$ 5,890.00
4	CONCRETE DRIVEWAY	99	CY	\$ 500.00	\$ 49,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	187,340.00
Engineering: (% +/-)	15%	\$ 28,140.00
Contingency: (% +/-)	20%	\$ 37,520.00
Estimated Project Cost:	\$	253,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	434
Medium	1,220
Low	1,419
Compliant	1,552
Total	4,625

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (B) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	598	SY	\$ 10.00	\$ 5,980.00
2	CONCRETE SIDEWALK (SD-1)	1,817	SY	\$ 80.00	\$ 145,360.00
3	REMOVAL OF PAVEMENT	84	SY	\$ 10.00	\$ 840.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	159,180.00
Engineering: (% +/-)	15%	\$ 23,922.86
Contingency: (% +/-)	20%	\$ 31,897.14
Estimated Project Cost:	\$	215,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	31
Medium	690
Low	2,657
Compliant	1,628
Total	5,006

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (B) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,053	SY	\$ 10.00	\$ 10,530.00
2	CONCRETE SIDEWALK (SD-1)	1,858	SY	\$ 80.00	\$ 148,640.00
3	REMOVAL OF PAVEMENT	562	SY	\$ 10.00	\$ 5,620.00
4	CONCRETE DRIVEWAY	94	CY	\$ 500.00	\$ 47,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	211,790.00
Engineering: (% +/-)	15%	\$ 31,804.29
Contingency: (% +/-)	20%	\$ 42,405.71
Estimated Project Cost:	\$	286,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	99
Medium	578
Low	3,131
Compliant	1,219
Total	5,026

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (C) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,486	SY	10.00	14,860.00
2	CONCRETE SIDEWALK (SD-1)	1,828	SY	80.00	146,240.00
3	REMOVAL OF PAVEMENT	1,289	SY	10.00	12,890.00
4	CONCRETE DRIVEWAY	215	CY	500.00	107,500.00
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	-
6	RELOCATE UTILITY	0	LS	500.00	-
7	REMOVE OBSTRUCTION	0	LS	500.00	-
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	-
9	CONTACT BUSINESS OWNER	0	LS	-	-
10	HANDRAIL	0	LF	75.00	-

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	281,490.00
Engineering: (% +/-)	15%	\$ 42,647.14
Contingency: (% +/-)	20%	\$ 56,862.86
Estimated Project Cost:	\$	381,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	879
Medium	1,480
Low	1,674
Compliant	1,001
Total	5,034

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (C) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,881	SY	10.00	18,810.00
2	CONCRETE SIDEWALK (SD-1)	1,881	SY	80.00	150,480.00
3	REMOVAL OF PAVEMENT	1,450	SY	10.00	14,500.00
4	CONCRETE DRIVEWAY	242	CY	500.00	121,000.00
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	-
6	RELOCATE UTILITY	0	LS	500.00	-
7	REMOVE OBSTRUCTION	0	LS	500.00	-
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	-
9	CONTACT BUSINESS OWNER	0	LS	-	-
10	HANDRAIL	0	LF	75.00	-

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	304,790.00
Engineering: (% +/-)	15%	\$ 45,947.14
Contingency: (% +/-)	20%	\$ 61,262.86
Estimated Project Cost:	\$	412,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,254
Medium	1,112
Low	1,813
Compliant	857
Total	5,036

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (D) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,445	SY	10.00	14,450.00
2	CONCRETE SIDEWALK (SD-1)	1,464	SY	80.00	117,120.00
3	REMOVAL OF PAVEMENT	517	SY	10.00	5,170.00
4	CONCRETE DRIVEWAY	87	CY	500.00	43,500.00
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	-
6	RELOCATE UTILITY	0	LS	500.00	-
7	REMOVE OBSTRUCTION	0	LS	500.00	-
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	-
9	CONTACT BUSINESS OWNER	0	LS	-	-
10	HANDRAIL	0	LF	75.00	-

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	180,240.00
Engineering: (% +/-)	15%	\$ 27,325.71
Contingency: (% +/-)	20%	\$ 36,434.29
Estimated Project Cost:	\$	244,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	254
Medium	541
Low	1,464
Compliant	2,926
Total	5,186

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 2/12/2013
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (D) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	972	SY	10.00	9,720.00
2	CONCRETE SIDEWALK (SD-1)	972	SY	80.00	77,760.00
3	REMOVAL OF PAVEMENT	839	SY	10.00	8,390.00
4	CONCRETE DRIVEWAY	140	CY	500.00	70,000.00
5	RELOCATE FIRE HYDRANT	0	LS	2,000.00	-
6	RELOCATE UTILITY	0	LS	500.00	-
7	REMOVE OBSTRUCTION	0	LS	500.00	-
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	500.00	-
9	CONTACT BUSINESS OWNER	0	LS	-	-
10	HANDRAIL	0	LF	75.00	-

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	165,870.00
Engineering: (% +/-)	15%	\$ 24,912.86
Contingency: (% +/-)	20%	\$ 33,217.14
Estimated Project Cost:	\$	224,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	794
Medium	464
Low	1,044
Compliant	2,907
Total	5,209

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (E) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	3,121	SY	\$ 10.00	\$ 31,210.00
2	CONCRETE SIDEWALK (SD-1)	3,121	SY	\$ 80.00	\$ 249,680.00
3	REMOVAL OF PAVEMENT	462	SY	\$ 10.00	\$ 4,620.00
4	CONCRETE DRIVEWAY	77	CY	\$ 500.00	\$ 38,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	324,010.00
Engineering: (% +/-)	15%	\$ 48,852.86
Contingency: (% +/-)	20%	\$ 65,137.14
Estimated Project Cost:	\$	438,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	578
Medium	1,986
Low	1,885
Compliant	774
Total	5,223

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (E) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	540	SY	\$ 10.00	\$ 5,400.00
2	CONCRETE SIDEWALK (SD-1)	2,804	SY	\$ 80.00	\$ 224,320.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,720.00
Engineering: (% +/-)	15%	\$ 34,834.29
Contingency: (% +/-)	20%	\$ 46,445.71
Estimated Project Cost:	\$	311,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	62
Medium	453
Low	4,553
Compliant	118
Total	5,187

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (F) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,031	SY	\$ 10.00	\$ 20,310.00
2	CONCRETE SIDEWALK (SD-1)	2,181	SY	\$ 80.00	\$ 174,480.00
3	REMOVAL OF PAVEMENT	1,209	SY	\$ 10.00	\$ 12,090.00
4	CONCRETE DRIVEWAY	202	CY	\$ 500.00	\$ 101,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	9	LS	\$ 500.00	\$ 4,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	313,380.00
Engineering: (% +/-)	15%	\$ 47,408.57
Contingency: (% +/-)	20%	\$ 63,211.43
Estimated Project Cost:	\$	424,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	1,647
Medium	1,285
Low	1,384
Compliant	901
Total	5,217

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (F) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,390	SY	\$ 10.00	\$ 13,900.00
2	CONCRETE SIDEWALK (SD-1)	1,406	SY	\$ 80.00	\$ 112,480.00
3	REMOVAL OF PAVEMENT	921	SY	\$ 10.00	\$ 9,210.00
4	CONCRETE DRIVEWAY	154	CY	\$ 500.00	\$ 77,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	50	LF	\$ 75.00	\$ 3,750.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	217,340.00
Engineering: (% +/-)	15%	\$ 32,854.29
Contingency: (% +/-)	20%	\$ 43,805.71
Estimated Project Cost:	\$	294,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,037
Medium	761
Low	1,491
Compliant	1,965
Total	5,254

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (G) (11th to 4th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	747	SY	\$ 10.00	\$ 7,470.00
2	CONCRETE SIDEWALK (SD-1)	773	SY	\$ 80.00	\$ 61,840.00
3	REMOVAL OF PAVEMENT	1,066	SY	\$ 10.00	\$ 10,660.00
4	CONCRETE DRIVEWAY	178	CY	\$ 500.00	\$ 89,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	5	LS	\$ 500.00	\$ 2,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	4	LS	\$ 500.00	\$ 2,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	173,470.00
Engineering: (% +/-)	15%	\$ 26,370.00
Contingency: (% +/-)	20%	\$ 35,160.00
Estimated Project Cost:	\$	235,000.00

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Project Location

Project Details

Priority	Length (LF)
High	1,069
Medium	538
Low	586
Compliant	625
Total	2,818

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (G) (11th to 4th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,142	SY	\$ 10.00	\$ 11,420.00
2	CONCRETE SIDEWALK (SD-1)	1,317	SY	\$ 80.00	\$ 105,360.00
3	REMOVAL OF PAVEMENT	120	SY	\$ 10.00	\$ 1,200.00
4	CONCRETE DRIVEWAY	20	CY	\$ 500.00	\$ 10,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	3	LS	\$ 500.00	\$ 1,500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	129,480.00
Engineering: (% +/-)	15%	\$ 19,508.57
Contingency: (% +/-)	20%	\$ 26,011.43
Estimated Project Cost:	\$	175,000.00

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Project Location

Project Details

Priority	Length (LF)
High	275
Medium	509
Low	1,345
Compliant	661
Total	2,790

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (H) (Admiral to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,033	SY	\$ 10.00	\$ 10,330.00
2	CONCRETE SIDEWALK (SD-1)	1,041	SY	\$ 80.00	\$ 83,280.00
3	REMOVAL OF PAVEMENT	656	SY	\$ 10.00	\$ 6,560.00
4	CONCRETE DRIVEWAY	110	CY	\$ 500.00	\$ 55,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	155,670.00
Engineering: (% +/-)	15%	\$ 23,712.86
Contingency: (% +/-)	20%	\$ 31,617.14
Estimated Project Cost:	\$	211,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	475
Medium	453
Low	1,134
Compliant	4,134
Total	6,195

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (H) (Admiral to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	900	SY	\$ 10.00	\$ 9,000.00
2	CONCRETE SIDEWALK (SD-1)	900	SY	\$ 80.00	\$ 72,000.00
3	REMOVAL OF PAVEMENT	584	SY	\$ 10.00	\$ 5,840.00
4	CONCRETE DRIVEWAY	98	CY	\$ 500.00	\$ 49,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	135,840.00
Engineering: (% +/-)	15%	\$ 20,640.00
Contingency: (% +/-)	20%	\$ 27,520.00
Estimated Project Cost:	\$	184,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	427
Medium	228
Low	1,329
Compliant	4,180
Total	6,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (I) (Pine to Apache) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,845	SY	\$ 80.00	\$ 227,600.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,600.00
Engineering: (% +/-)	15%	\$ 34,457.14
Contingency: (% +/-)	20%	\$ 45,942.86
Estimated Project Cost:	\$	308,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,120
Compliant	0
Total	5,120

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (I) (Pine to Apache) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,051	SY	\$ 10.00	\$ 10,510.00
2	CONCRETE SIDEWALK (SD-1)	1,051	SY	\$ 80.00	\$ 84,080.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	95,090.00
Engineering: (% +/-)	15%	\$ 14,532.86
Contingency: (% +/-)	20%	\$ 19,377.14
Estimated Project Cost:	\$	129,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	60
Medium	201
Low	1,395
Compliant	3,499
Total	5,155

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (J) (Apache to 36th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	601	SY	\$ 10.00	\$ 6,010.00
2	CONCRETE SIDEWALK (SD-1)	1,786	SY	\$ 80.00	\$ 142,880.00
3	REMOVAL OF PAVEMENT	428	SY	\$ 10.00	\$ 4,280.00
4	CONCRETE DRIVEWAY	72	CY	\$ 500.00	\$ 36,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	189,670.00
Engineering: (% +/-)	15%	\$ 28,855.71
Contingency: (% +/-)	20%	\$ 38,474.29
Estimated Project Cost:	\$	257,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	356
Medium	581
Low	2,666
Compliant	1,521
Total	5,124

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (J) (Apache to 36th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	350	SY	\$ 10.00	\$ 3,500.00
2	CONCRETE SIDEWALK (SD-1)	1,501	SY	\$ 80.00	\$ 120,080.00
3	REMOVAL OF PAVEMENT	200	SY	\$ 10.00	\$ 2,000.00
4	CONCRETE DRIVEWAY	34	CY	\$ 500.00	\$ 17,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	142,580.00
Engineering: (% +/-)	15%	\$ 21,608.57
Contingency: (% +/-)	20%	\$ 28,811.43
Estimated Project Cost:	\$	193,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	80
Medium	254
Low	2,559
Compliant	2,308
Total	5,201

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (M) (4th to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	670	SY	\$ 10.00	\$ 6,700.00
2	CONCRETE SIDEWALK (SD-1)	670	SY	\$ 80.00	\$ 53,600.00
3	REMOVAL OF PAVEMENT	323	SY	\$ 10.00	\$ 3,230.00
4	CONCRETE DRIVEWAY	54	CY	\$ 500.00	\$ 27,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	90,530.00
Engineering: (% +/-)	15%	\$ 13,915.71
Contingency: (% +/-)	20%	\$ 18,554.29
Estimated Project Cost:	\$	123,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	562
Medium	455
Low	264
Compliant	84
Total	1,365

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Peoria Avenue (M) (4th to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	426	SY	\$ 10.00	\$ 4,260.00
2	CONCRETE SIDEWALK (SD-1)	426	SY	\$ 80.00	\$ 34,080.00
3	REMOVAL OF PAVEMENT	506	SY	\$ 10.00	\$ 5,060.00
4	CONCRETE DRIVEWAY	85	CY	\$ 500.00	\$ 42,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	85,900.00
Engineering: (% +/-)	15%	\$ 12,900.00
Contingency: (% +/-)	20%	\$ 17,200.00
Estimated Project Cost:	\$	116,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	400
Medium	283
Low	438
Compliant	209
Total	1,331

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (A) (Union to Cincinnati) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,365	SY	\$ 10.00	\$ 13,650.00
2	CONCRETE SIDEWALK (SD-1)	1,365	SY	\$ 80.00	\$ 109,200.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	134,470.00
Engineering: (% +/-)	15%	\$ 20,370.00
Contingency: (% +/-)	20%	\$ 27,160.00
Estimated Project Cost:	\$	182,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	368
Medium	720
Low	1,214
Compliant	2,764
Total	5,067

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (A) (Union to Cincinnati) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,723	SY	\$ 10.00	\$ 17,230.00
2	CONCRETE SIDEWALK (SD-1)	1,723	SY	\$ 80.00	\$ 137,840.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	157,850.00
Engineering: (% +/-)	15%	\$ 24,064.29
Contingency: (% +/-)	20%	\$ 32,085.71
Estimated Project Cost:	\$	214,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	490
Medium	935
Low	1,474
Compliant	2,155
Total	5,054

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (B) (Cincinnati to Peoria) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,796	SY	\$ 10.00	\$ 17,960.00
2	CONCRETE SIDEWALK (SD-1)	1,813	SY	\$ 80.00	\$ 145,040.00
3	REMOVAL OF PAVEMENT	353	SY	\$ 10.00	\$ 3,530.00
4	CONCRETE DRIVEWAY	59	CY	\$ 500.00	\$ 29,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	6	LS	\$ 500.00	\$ 3,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	199,530.00
Engineering: (% +/-)	15%	\$ 30,201.43
Contingency: (% +/-)	20%	\$ 40,268.57
Estimated Project Cost:	\$	270,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	429
Medium	1,474
Low	1,775
Compliant	1,465
Total	5,144

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (B) (Cincinnati to Peoria) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,753	SY	\$ 10.00	\$ 17,530.00
2	CONCRETE SIDEWALK (SD-1)	1,753	SY	\$ 80.00	\$ 140,240.00
3	REMOVAL OF PAVEMENT	282	SY	\$ 10.00	\$ 2,820.00
4	CONCRETE DRIVEWAY	47	CY	\$ 500.00	\$ 23,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	185,090.00
Engineering: (% +/-)	15%	\$ 27,818.57
Contingency: (% +/-)	20%	\$ 37,091.43
Estimated Project Cost:	\$	250,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	146
Medium	974
Low	2,217
Compliant	1,779
Total	5,116

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (C) (Peoria to Lewis) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	779	SY	\$ 10.00	\$ 7,790.00
2	CONCRETE SIDEWALK (SD-1)	863	SY	\$ 80.00	\$ 69,040.00
3	REMOVAL OF PAVEMENT	689	SY	\$ 10.00	\$ 6,890.00
4	CONCRETE DRIVEWAY	115	CY	\$ 500.00	\$ 57,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	141,220.00
Engineering: (% +/-)	15%	\$ 21,334.29
Contingency: (% +/-)	20%	\$ 28,445.71
Estimated Project Cost:	\$	191,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	557
Medium	559
Low	1,001
Compliant	2,913
Total	5,031

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (C) (Peoria to Lewis) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	933	SY	\$ 10.00	\$ 9,330.00
2	CONCRETE SIDEWALK (SD-1)	941	SY	\$ 80.00	\$ 75,280.00
3	REMOVAL OF PAVEMENT	889	SY	\$ 10.00	\$ 8,890.00
4	CONCRETE DRIVEWAY	149	CY	\$ 500.00	\$ 74,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	168,500.00
Engineering: (% +/-)	15%	\$ 25,500.00
Contingency: (% +/-)	20%	\$ 34,000.00
Estimated Project Cost:	\$	228,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	361
Medium	937
Low	1,232
Compliant	2,489
Total	5,020

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (D) (Lewis to Harvard) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,168	SY	\$ 10.00	\$ 11,680.00
2	CONCRETE SIDEWALK (SD-1)	1,176	SY	\$ 80.00	\$ 94,080.00
3	REMOVAL OF PAVEMENT	700	SY	\$ 10.00	\$ 7,000.00
4	CONCRETE DRIVEWAY	117	CY	\$ 500.00	\$ 58,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	171,260.00
Engineering: (% +/-)	15%	\$ 26,031.43
Contingency: (% +/-)	20%	\$ 34,708.57
Estimated Project Cost:	\$	232,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	821
Medium	477
Low	1,191
Compliant	2,692
Total	5,180

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (D) (Lewis to Harvard) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	862	SY	\$ 10.00	\$ 8,620.00
2	CONCRETE SIDEWALK (SD-1)	862	SY	\$ 80.00	\$ 68,960.00
3	REMOVAL OF PAVEMENT	406	SY	\$ 10.00	\$ 4,060.00
4	CONCRETE DRIVEWAY	68	CY	\$ 500.00	\$ 34,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	116,140.00
Engineering: (% +/-)	15%	\$ 17,511.43
Contingency: (% +/-)	20%	\$ 23,348.57
Estimated Project Cost:	\$	157,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	232
Medium	526
Low	930
Compliant	3,499
Total	5,186

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (E) (Harvard to Yale) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	752	SY	\$ 10.00	\$ 7,520.00
2	CONCRETE SIDEWALK (SD-1)	2,564	SY	\$ 80.00	\$ 205,120.00
3	REMOVAL OF PAVEMENT	123	SY	\$ 10.00	\$ 1,230.00
4	CONCRETE DRIVEWAY	21	CY	\$ 500.00	\$ 10,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	224,370.00
Engineering: (% +/-)	15%	\$ 33,698.57
Contingency: (% +/-)	20%	\$ 44,931.43
Estimated Project Cost:	\$	303,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	176
Medium	473
Low	4,054
Compliant	443
Total	5,147

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (E) (Harvard to Yale) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	92	SY	\$ 10.00	\$ 920.00
2	CONCRETE SIDEWALK (SD-1)	2,777	SY	\$ 80.00	\$ 222,160.00
3	REMOVAL OF PAVEMENT	73	SY	\$ 10.00	\$ 730.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	230,310.00
Engineering: (% +/-)	15%	\$ 34,581.43
Contingency: (% +/-)	20%	\$ 46,108.57
Estimated Project Cost:	\$	311,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	30
Low	5,008
Compliant	112
Total	5,151

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (F) (Yale to Sheridan) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	41	SY	\$ 10.00	\$ 410.00
2	CONCRETE SIDEWALK (SD-1)	2,600	SY	\$ 80.00	\$ 208,000.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	211,190.00
Engineering: (% +/-)	15%	\$ 32,061.43
Contingency: (% +/-)	20%	\$ 42,748.57
Estimated Project Cost:	\$	286,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	35
Low	4,691
Compliant	479
Total	5,205

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (F) (Yale to Sheridan) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	385	SY	\$ 10.00	\$ 3,850.00
2	CONCRETE SIDEWALK (SD-1)	1,945	SY	\$ 80.00	\$ 155,600.00
3	REMOVAL OF PAVEMENT	462	SY	\$ 10.00	\$ 4,620.00
4	CONCRETE DRIVEWAY	77	CY	\$ 500.00	\$ 38,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	202,570.00
Engineering: (% +/-)	15%	\$ 30,612.86
Contingency: (% +/-)	20%	\$ 40,817.14
Estimated Project Cost:	\$	274,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	114
Medium	514
Low	3,330
Compliant	1,249
Total	5,207

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (G) (Sheridan to Memorial) - north

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	523	SY	\$ 10.00	\$ 5,230.00
2	CONCRETE SIDEWALK (SD-1)	2,823	SY	\$ 80.00	\$ 225,840.00
3	REMOVAL OF PAVEMENT	67	SY	\$ 10.00	\$ 670.00
4	CONCRETE DRIVEWAY	12	CY	\$ 500.00	\$ 6,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	237,740.00
Engineering: (% +/-)	15%	\$ 35,682.86
Contingency: (% +/-)	20%	\$ 47,577.14
Estimated Project Cost:	\$	321,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	274
Medium	369
Low	4,451
Compliant	45
Total	5,138

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Pine Street (G) (Sheridan to Memorial) - south

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	168	SY	\$ 10.00	\$ 1,680.00
2	CONCRETE SIDEWALK (SD-1)	2,645	SY	\$ 80.00	\$ 211,600.00
3	REMOVAL OF PAVEMENT	234	SY	\$ 10.00	\$ 2,340.00
4	CONCRETE DRIVEWAY	39	CY	\$ 500.00	\$ 19,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	235,120.00
Engineering: (% +/-)	15%	\$ 35,520.00
Contingency: (% +/-)	20%	\$ 47,360.00
Estimated Project Cost:	\$	318,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	150
Medium	83
Low	4,732
Compliant	177
Total	5,142

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Riverside Drive (C) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25	SY	\$ 10.00	\$ 250.00
2	CONCRETE SIDEWALK (SD-1)	25	SY	\$ 80.00	\$ 2,000.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	2,250.00
Engineering: (% +/-)	15%	\$ 750.00
Contingency: (% +/-)	20%	\$ 1,000.00
Estimated Project Cost:	\$	4,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	22
Compliant	0
Total	22

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Riverside Drive (D) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	59	SY	\$ 10.00	\$ 590.00
2	CONCRETE SIDEWALK (SD-1)	59	SY	\$ 80.00	\$ 4,720.00
3	REMOVAL OF PAVEMENT	34	SY	\$ 10.00	\$ 340.00
4	CONCRETE DRIVEWAY	6	CY	\$ 500.00	\$ 3,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,650.00
Engineering: (% +/-)	15%	\$ 1,435.71
Contingency: (% +/-)	20%	\$ 1,914.29
Estimated Project Cost:	\$	12,000.00

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Project Location

Project Details

Priority	Length (LF)
High	5
Medium	34
Low	68
Compliant	158
Total	265

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Riverside Drive (E) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	384	SY	\$ 10.00	\$ 3,840.00
2	CONCRETE SIDEWALK (SD-1)	384	SY	\$ 80.00	\$ 30,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	34,560.00
Engineering: (% +/-)	15%	\$ 5,331.43
Contingency: (% +/-)	20%	\$ 7,108.57
Estimated Project Cost:	\$	47,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	141
Medium	307
Low	283
Compliant	229
Total	959

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Riverside Drive (E) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	179	SY	\$ 10.00	\$ 1,790.00
2	CONCRETE SIDEWALK (SD-1)	179	SY	\$ 80.00	\$ 14,320.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	16,110.00
Engineering: (% +/-)	15%	\$ 2,524.29
Contingency: (% +/-)	20%	\$ 3,365.71
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	10
Medium	67
Low	66
Compliant	205
Total	347

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Riverside Drive (F) (21st to Denver) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	89	SY	\$ 10.00	\$ 890.00
2	CONCRETE SIDEWALK (SD-1)	89	SY	\$ 80.00	\$ 7,120.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	15,290.00
Engineering: (% +/-)	15%	\$ 2,447.14
Contingency: (% +/-)	20%	\$ 3,262.86
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	97
Medium	30
Low	135
Compliant	978
Total	1,240

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (A) (101st to 91st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	346	SY	\$ 10.00	\$ 3,460.00
2	CONCRETE SIDEWALK (SD-1)	1,470	SY	\$ 80.00	\$ 117,600.00
3	REMOVAL OF PAVEMENT	73	SY	\$ 10.00	\$ 730.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	128,290.00
Engineering: (% +/-)	15%	\$ 19,590.00
Contingency: (% +/-)	20%	\$ 26,120.00
Estimated Project Cost:	\$	174,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	124
Medium	205
Low	2,369
Compliant	2,443
Total	5,142

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (A) (101st to 91st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	186	SY	\$ 10.00	\$ 1,860.00
2	CONCRETE SIDEWALK (SD-1)	2,819	SY	\$ 80.00	\$ 225,520.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	227,380.00
Engineering: (% +/-)	15%	\$ 34,122.86
Contingency: (% +/-)	20%	\$ 45,497.14
Estimated Project Cost:	\$	307,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	52
Low	4,968
Compliant	111
Total	5,131

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (B) (91st to 81st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	43	SY	\$ 10.00	\$ 430.00
2	CONCRETE SIDEWALK (SD-1)	2,534	SY	\$ 80.00	\$ 202,720.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	203,150.00
Engineering: (% +/-)	15%	\$ 30,792.86
Contingency: (% +/-)	20%	\$ 41,057.14
Estimated Project Cost:	\$	275,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	5
Medium	5
Low	4,539
Compliant	603
Total	5,152

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (B) (91st to 81st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	116	SY	\$ 10.00	\$ 1,160.00
2	CONCRETE SIDEWALK (SD-1)	2,350	SY	\$ 80.00	\$ 188,000.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	196,440.00
Engineering: (% +/-)	15%	\$ 29,811.43
Contingency: (% +/-)	20%	\$ 39,748.57
Estimated Project Cost:	\$	266,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	50
Medium	57
Low	4,172
Compliant	878
Total	5,158

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (C) (81st to 71st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,210	SY	\$ 10.00	\$ 22,100.00
2	CONCRETE SIDEWALK (SD-1)	2,210	SY	\$ 80.00	\$ 176,800.00
3	REMOVAL OF PAVEMENT	389	SY	\$ 10.00	\$ 3,890.00
4	CONCRETE DRIVEWAY	65	CY	\$ 500.00	\$ 32,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	235,290.00
Engineering: (% +/-)	15%	\$ 35,447.14
Contingency: (% +/-)	20%	\$ 47,262.86
Estimated Project Cost:	\$	318,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	148
Medium	1,401
Low	2,675
Compliant	927
Total	5,150

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (C) (81st to 71st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,448	SY	\$ 10.00	\$ 24,480.00
2	CONCRETE SIDEWALK (SD-1)	2,448	SY	\$ 80.00	\$ 195,840.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	233,710.00
Engineering: (% +/-)	15%	\$ 35,267.14
Contingency: (% +/-)	20%	\$ 47,022.86
Estimated Project Cost:	\$	316,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	317
Medium	2,113
Low	2,079
Compliant	630
Total	5,139

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (D) (71st to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,021	SY	\$ 10.00	\$ 20,210.00
2	CONCRETE SIDEWALK (SD-1)	2,021	SY	\$ 80.00	\$ 161,680.00
3	REMOVAL OF PAVEMENT	300	SY	\$ 10.00	\$ 3,000.00
4	CONCRETE DRIVEWAY	50	CY	\$ 500.00	\$ 25,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	209,890.00
Engineering: (% +/-)	15%	\$ 31,761.43
Contingency: (% +/-)	20%	\$ 42,348.57
Estimated Project Cost:	\$	284,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	484
Medium	1,367
Low	2,234
Compliant	1,080
Total	5,166

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (D) (71st to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,483	SY	\$ 10.00	\$ 24,830.00
2	CONCRETE SIDEWALK (SD-1)	2,483	SY	\$ 80.00	\$ 198,640.00
3	REMOVAL OF PAVEMENT	350	SY	\$ 10.00	\$ 3,500.00
4	CONCRETE DRIVEWAY	59	CY	\$ 500.00	\$ 29,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	256,470.00
Engineering: (% +/-)	15%	\$ 38,798.57
Contingency: (% +/-)	20%	\$ 51,731.43
Estimated Project Cost:	\$	347,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	384
Medium	1,607
Low	2,440
Compliant	714
Total	5,145

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (E) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,018	SY	\$ 10.00	\$ 20,180.00
2	CONCRETE SIDEWALK (SD-1)	2,018	SY	\$ 80.00	\$ 161,440.00
3	REMOVAL OF PAVEMENT	334	SY	\$ 10.00	\$ 3,340.00
4	CONCRETE DRIVEWAY	56	CY	\$ 500.00	\$ 28,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	212,960.00
Engineering: (% +/-)	15%	\$ 32,160.00
Contingency: (% +/-)	20%	\$ 42,880.00
Estimated Project Cost:	\$	288,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	815
Medium	1,194
Low	2,231
Compliant	923
Total	5,162

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (E) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,577	SY	\$ 10.00	\$ 15,770.00
2	CONCRETE SIDEWALK (SD-1)	1,577	SY	\$ 80.00	\$ 126,160.00
3	REMOVAL OF PAVEMENT	239	SY	\$ 10.00	\$ 2,390.00
4	CONCRETE DRIVEWAY	40	CY	\$ 500.00	\$ 20,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	165,320.00
Engineering: (% +/-)	15%	\$ 25,148.57
Contingency: (% +/-)	20%	\$ 33,531.43
Estimated Project Cost:	\$	224,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	425
Medium	1,190
Low	1,762
Compliant	1,787
Total	5,163

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (F) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	791	SY	\$ 10.00	\$ 7,910.00
2	CONCRETE SIDEWALK (SD-1)	791	SY	\$ 80.00	\$ 63,280.00
3	REMOVAL OF PAVEMENT	328	SY	\$ 10.00	\$ 3,280.00
4	CONCRETE DRIVEWAY	55	CY	\$ 500.00	\$ 27,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	101,970.00
Engineering: (% +/-)	15%	\$ 15,441.43
Contingency: (% +/-)	20%	\$ 20,588.57
Estimated Project Cost:	\$	138,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	330
Medium	426
Low	1,147
Compliant	3,278
Total	5,181

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (F) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	467	SY	\$ 10.00	\$ 4,670.00
2	CONCRETE SIDEWALK (SD-1)	667	SY	\$ 80.00	\$ 53,360.00
3	REMOVAL OF PAVEMENT	273	SY	\$ 10.00	\$ 2,730.00
4	CONCRETE DRIVEWAY	46	CY	\$ 500.00	\$ 23,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	83,760.00
Engineering: (% +/-)	15%	\$ 12,960.00
Contingency: (% +/-)	20%	\$ 17,280.00
Estimated Project Cost:	\$	114,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	259
Medium	281
Low	892
Compliant	3,727
Total	5,159

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (G) (41st to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	567	SY	\$ 10.00	\$ 5,670.00
2	CONCRETE SIDEWALK (SD-1)	572	SY	\$ 80.00	\$ 45,760.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	64,820.00
Engineering: (% +/-)	15%	\$ 9,934.29
Contingency: (% +/-)	20%	\$ 13,245.71
Estimated Project Cost:	\$	88,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	100
Medium	175
Low	738
Compliant	4,142
Total	5,155

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/24/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (G) (41st to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	781	SY	\$ 10.00	\$ 7,810.00
2	CONCRETE SIDEWALK (SD-1)	792	SY	\$ 80.00	\$ 63,360.00
3	REMOVAL OF PAVEMENT	545	SY	\$ 10.00	\$ 5,450.00
4	CONCRETE DRIVEWAY	91	CY	\$ 500.00	\$ 45,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	122,120.00
Engineering: (% +/-)	15%	\$ 18,377.14
Contingency: (% +/-)	20%	\$ 24,502.86
Estimated Project Cost:	\$	165,000.00

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Project Location

Project Details

Priority	Length (LF)
High	410
Medium	55
Low	1,295
Compliant	3,404
Total	5,164

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (H) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	610	SY	\$ 10.00	\$ 6,100.00
2	CONCRETE SIDEWALK (SD-1)	610	SY	\$ 80.00	\$ 48,800.00
3	REMOVAL OF PAVEMENT	167	SY	\$ 10.00	\$ 1,670.00
4	CONCRETE DRIVEWAY	28	CY	\$ 500.00	\$ 14,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	70,570.00
Engineering: (% +/-)	15%	\$ 10,898.57
Contingency: (% +/-)	20%	\$ 14,531.43
Estimated Project Cost:	\$	96,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	58
Low	1,005
Compliant	4,121
Total	5,185

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (H) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	331	SY	\$ 10.00	\$ 3,310.00
2	CONCRETE SIDEWALK (SD-1)	331	SY	\$ 80.00	\$ 26,480.00
3	REMOVAL OF PAVEMENT	451	SY	\$ 10.00	\$ 4,510.00
4	CONCRETE DRIVEWAY	75	CY	\$ 500.00	\$ 37,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	71,800.00
Engineering: (% +/-)	15%	\$ 10,800.00
Contingency: (% +/-)	20%	\$ 14,400.00
Estimated Project Cost:	\$	97,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	74
Medium	240
Low	700
Compliant	4,163
Total	5,176

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (I) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	377	SY	\$ 10.00	\$ 3,770.00
2	CONCRETE SIDEWALK (SD-1)	1,778	SY	\$ 80.00	\$ 142,240.00
3	REMOVAL OF PAVEMENT	212	SY	\$ 10.00	\$ 2,120.00
4	CONCRETE DRIVEWAY	36	CY	\$ 500.00	\$ 18,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	166,130.00
Engineering: (% +/-)	15%	\$ 25,230.00
Contingency: (% +/-)	20%	\$ 33,640.00
Estimated Project Cost:	\$	225,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	60
Medium	236
Low	3,050
Compliant	1,832
Total	5,178

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (I) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	875	SY	\$ 10.00	\$ 8,750.00
2	CONCRETE SIDEWALK (SD-1)	1,043	SY	\$ 80.00	\$ 83,440.00
3	REMOVAL OF PAVEMENT	528	SY	\$ 10.00	\$ 5,280.00
4	CONCRETE DRIVEWAY	88	CY	\$ 500.00	\$ 44,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	141,470.00
Engineering: (% +/-)	15%	\$ 21,227.14
Contingency: (% +/-)	20%	\$ 28,302.86
Estimated Project Cost:	\$	191,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	330
Medium	728
Low	1,290
Compliant	2,830
Total	5,178

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (J) (11th to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	282	SY	\$ 10.00	\$ 2,820.00
2	CONCRETE SIDEWALK (SD-1)	282	SY	\$ 80.00	\$ 22,560.00
3	REMOVAL OF PAVEMENT	806	SY	\$ 10.00	\$ 8,060.00
4	CONCRETE DRIVEWAY	135	CY	\$ 500.00	\$ 67,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	100,940.00
Engineering: (% +/-)	15%	\$ 15,454.29
Contingency: (% +/-)	20%	\$ 20,605.71
Estimated Project Cost:	\$	137,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	470
Medium	330
Low	551
Compliant	3,218
Total	4,569

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (J) (11th to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	811	SY	\$ 10.00	\$ 8,110.00
2	CONCRETE SIDEWALK (SD-1)	811	SY	\$ 80.00	\$ 64,880.00
3	REMOVAL OF PAVEMENT	539	SY	\$ 10.00	\$ 5,390.00
4	CONCRETE DRIVEWAY	90	CY	\$ 500.00	\$ 45,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	123,380.00
Engineering: (% +/-)	15%	\$ 18,694.29
Contingency: (% +/-)	20%	\$ 24,925.71
Estimated Project Cost:	\$	167,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	265
Medium	440
Low	1,234
Compliant	2,626
Total	4,565

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (K) (Admiral to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,206	SY	\$ 10.00	\$ 12,060.00
2	CONCRETE SIDEWALK (SD-1)	1,223	SY	\$ 80.00	\$ 97,840.00
3	REMOVAL OF PAVEMENT	1,223	SY	\$ 10.00	\$ 12,230.00
4	CONCRETE DRIVEWAY	204	CY	\$ 500.00	\$ 102,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	224,630.00
Engineering: (% +/-)	15%	\$ 34,015.71
Contingency: (% +/-)	20%	\$ 45,354.29
Estimated Project Cost:	\$	304,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	716
Medium	942
Low	1,594
Compliant	2,570
Total	5,822

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (K) (Admiral to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	842	SY	\$ 10.00	\$ 8,420.00
2	CONCRETE SIDEWALK (SD-1)	842	SY	\$ 80.00	\$ 67,360.00
3	REMOVAL OF PAVEMENT	506	SY	\$ 10.00	\$ 5,060.00
4	CONCRETE DRIVEWAY	85	CY	\$ 500.00	\$ 42,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	123,340.00
Engineering: (% +/-)	15%	\$ 18,711.43
Contingency: (% +/-)	20%	\$ 24,948.57
Estimated Project Cost:	\$	167,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	176
Medium	336
Low	1,442
Compliant	3,892
Total	5,845

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (L) (Pine to Apache) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	947	SY	\$ 10.00	\$ 9,470.00
2	CONCRETE SIDEWALK (SD-1)	1,184	SY	\$ 80.00	\$ 94,720.00
3	REMOVAL OF PAVEMENT	484	SY	\$ 10.00	\$ 4,840.00
4	CONCRETE DRIVEWAY	81	CY	\$ 500.00	\$ 40,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	150,030.00
Engineering: (% +/-)	15%	\$ 22,701.43
Contingency: (% +/-)	20%	\$ 30,268.57
Estimated Project Cost:	\$	203,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	407
Medium	417
Low	1,616
Compliant	2,748
Total	5,187

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Sheridan Road (L) (Pine to Apache) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	766	SY	\$ 10.00	\$ 7,660.00
2	CONCRETE SIDEWALK (SD-1)	805	SY	\$ 80.00	\$ 64,400.00
3	REMOVAL OF PAVEMENT	667	SY	\$ 10.00	\$ 6,670.00
4	CONCRETE DRIVEWAY	112	CY	\$ 500.00	\$ 56,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	134,730.00
Engineering: (% +/-)	15%	\$ 20,258.57
Contingency: (% +/-)	20%	\$ 27,011.43
Estimated Project Cost:	\$	182,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	661
Medium	580
Low	623
Compliant	3,387
Total	5,252

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (A) (33rd to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,290	SY	\$ 10.00	\$ 12,900.00
2	CONCRETE SIDEWALK (SD-1)	1,296	SY	\$ 80.00	\$ 103,680.00
3	REMOVAL OF PAVEMENT	617	SY	\$ 10.00	\$ 6,170.00
4	CONCRETE DRIVEWAY	103	CY	\$ 500.00	\$ 51,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	174,250.00
Engineering: (% +/-)	15%	\$ 26,464.29
Contingency: (% +/-)	20%	\$ 35,285.71
Estimated Project Cost:	\$	236,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	336
Medium	919
Low	1,041
Compliant	441
Total	2,737

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (A) (33rd to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	75	SY	\$ 10.00	\$ 750.00
2	CONCRETE SIDEWALK (SD-1)	75	SY	\$ 80.00	\$ 6,000.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	14,030.00
Engineering: (% +/-)	15%	\$ 2,130.00
Contingency: (% +/-)	20%	\$ 2,840.00
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	70
Medium	27
Low	69
Compliant	26
Total	192

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (B) (41st to Union) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,097	SY	\$ 10.00	\$ 10,970.00
2	CONCRETE SIDEWALK (SD-1)	1,097	SY	\$ 80.00	\$ 87,760.00
3	REMOVAL OF PAVEMENT	1,006	SY	\$ 10.00	\$ 10,060.00
4	CONCRETE DRIVEWAY	168	CY	\$ 500.00	\$ 84,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,790.00
Engineering: (% +/-)	15%	\$ 29,232.86
Contingency: (% +/-)	20%	\$ 38,977.14
Estimated Project Cost:	\$	261,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	758
Medium	779
Low	1,077
Compliant	575
Total	3,188

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (C) (Union to 31st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	244	SY	\$ 10.00	\$ 2,440.00
2	CONCRETE SIDEWALK (SD-1)	558	SY	\$ 80.00	\$ 44,640.00
3	REMOVAL OF PAVEMENT	112	SY	\$ 10.00	\$ 1,120.00
4	CONCRETE DRIVEWAY	19	CY	\$ 500.00	\$ 9,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	57,700.00
Engineering: (% +/-)	15%	\$ 8,700.00
Contingency: (% +/-)	20%	\$ 11,600.00
Estimated Project Cost:	\$	78,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	40
Medium	112
Low	1,062
Compliant	656
Total	1,870

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (C) (Union to 31st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	1,858	SY	\$ 80.00	\$ 148,640.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	148,640.00
Engineering: (% +/-)	15%	\$ 22,440.00
Contingency: (% +/-)	20%	\$ 29,920.00
Estimated Project Cost:	\$	201,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	3,344
Compliant	0
Total	3,344

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (D) (31st to 23rd) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	182	SY	\$ 10.00	\$ 1,820.00
2	CONCRETE SIDEWALK (SD-1)	1,707	SY	\$ 80.00	\$ 136,560.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	145,660.00
Engineering: (% +/-)	15%	\$ 22,002.86
Contingency: (% +/-)	20%	\$ 29,337.14
Estimated Project Cost:	\$	197,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	95
Medium	145
Low	2,907
Compliant	794
Total	3,941

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (D) (31st to 23rd) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	232	SY	\$ 10.00	\$ 2,320.00
2	CONCRETE SIDEWALK (SD-1)	1,753	SY	\$ 80.00	\$ 140,240.00
3	REMOVAL OF PAVEMENT	50	SY	\$ 10.00	\$ 500.00
4	CONCRETE DRIVEWAY	9	CY	\$ 500.00	\$ 4,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	147,560.00
Engineering: (% +/-)	15%	\$ 22,474.29
Contingency: (% +/-)	20%	\$ 29,965.71
Estimated Project Cost:	\$	200,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	55
Medium	43
Low	3,068
Compliant	766
Total	3,932

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (E) (23rd to Railroad Tracks) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	502	SY	\$ 10.00	\$ 5,020.00
2	CONCRETE SIDEWALK (SD-1)	502	SY	\$ 80.00	\$ 40,160.00
3	REMOVAL OF PAVEMENT	67	SY	\$ 10.00	\$ 670.00
4	CONCRETE DRIVEWAY	12	CY	\$ 500.00	\$ 6,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	51,850.00
Engineering: (% +/-)	15%	\$ 7,778.57
Contingency: (% +/-)	20%	\$ 10,371.43
Estimated Project Cost:	\$	70,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	369
Low	549
Compliant	2,630
Total	3,547

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Southwest Boulevard (E) (23rd to Railroad Tracks) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	462	SY	\$ 10.00	\$ 4,620.00
2	CONCRETE SIDEWALK (SD-1)	462	SY	\$ 80.00	\$ 36,960.00
3	REMOVAL OF PAVEMENT	439	SY	\$ 10.00	\$ 4,390.00
4	CONCRETE DRIVEWAY	74	CY	\$ 500.00	\$ 37,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	82,970.00
Engineering: (% +/-)	15%	\$ 12,870.00
Contingency: (% +/-)	20%	\$ 17,160.00
Estimated Project Cost:	\$	113,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	235
Medium	177
Low	601
Compliant	2,475
Total	3,487

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Union Avenue (A) (71st to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,629	SY	\$ 80.00	\$ 210,320.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	210,320.00
Engineering: (% +/-)	15%	\$ 31,577.14
Contingency: (% +/-)	20%	\$ 42,102.86
Estimated Project Cost:	\$	284,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	0
Low	4,732
Compliant	380
Total	5,112

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Union Avenue (A) (71st to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	184	SY	\$ 10.00	\$ 1,840.00
2	CONCRETE SIDEWALK (SD-1)	2,611	SY	\$ 80.00	\$ 208,880.00
3	REMOVAL OF PAVEMENT	39	SY	\$ 10.00	\$ 390.00
4	CONCRETE DRIVEWAY	7	CY	\$ 500.00	\$ 3,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	214,610.00
Engineering: (% +/-)	15%	\$ 32,310.00
Contingency: (% +/-)	20%	\$ 43,080.00
Estimated Project Cost:	\$	290,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	114
Medium	10
Low	4,609
Compliant	364
Total	5,097

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Union Avenue (B) (51st to 41st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	429	SY	\$ 10.00	\$ 4,290.00
2	CONCRETE SIDEWALK (SD-1)	2,653	SY	\$ 80.00	\$ 212,240.00
3	REMOVAL OF PAVEMENT	217	SY	\$ 10.00	\$ 2,170.00
4	CONCRETE DRIVEWAY	37	CY	\$ 500.00	\$ 18,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	237,200.00
Engineering: (% +/-)	15%	\$ 35,914.29
Contingency: (% +/-)	20%	\$ 47,885.71
Estimated Project Cost:	\$	321,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	235
Medium	699
Low	4,075
Compliant	167
Total	5,175

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Union Avenue (B) (51st to 41st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	CONCRETE SIDEWALK (SD-1)	2,874	SY	\$ 80.00	\$ 229,920.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	229,920.00
Engineering: (% +/-)	15%	\$ 34,748.57
Contingency: (% +/-)	20%	\$ 46,331.43
Estimated Project Cost:	\$	311,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,172
Compliant	0
Total	5,172

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Union Avenue (C) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66	SY	\$ 10.00	\$ 660.00
2	CONCRETE SIDEWALK (SD-1)	2,714	SY	\$ 80.00	\$ 217,120.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	217,780.00
Engineering: (% +/-)	15%	\$ 33,094.29
Contingency: (% +/-)	20%	\$ 44,125.71
Estimated Project Cost:	\$	295,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,884
Compliant	282
Total	5,166

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Union Avenue (C) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	70	SY	\$ 10.00	\$ 700.00
2	CONCRETE SIDEWALK (SD-1)	2,718	SY	\$ 80.00	\$ 217,440.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	218,140.00
Engineering: (% +/-)	15%	\$ 32,940.00
Contingency: (% +/-)	20%	\$ 43,920.00
Estimated Project Cost:	\$	295,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	4,892
Compliant	289
Total	5,181

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (A) (21st to 15th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	554	SY	\$ 10.00	\$ 5,540.00
2	CONCRETE SIDEWALK (SD-1)	571	SY	\$ 80.00	\$ 45,680.00
3	REMOVAL OF PAVEMENT	150	SY	\$ 10.00	\$ 1,500.00
4	CONCRETE DRIVEWAY	25	CY	\$ 500.00	\$ 12,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	66,220.00
Engineering: (% +/-)	15%	\$ 10,191.43
Contingency: (% +/-)	20%	\$ 13,588.57
Estimated Project Cost:	\$	90,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	125
Medium	108
Low	877
Compliant	1,373
Total	2,483

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (A) (21st to 15th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	765	SY	\$ 10.00	\$ 7,650.00
2	CONCRETE SIDEWALK (SD-1)	765	SY	\$ 80.00	\$ 61,200.00
3	REMOVAL OF PAVEMENT	544	SY	\$ 10.00	\$ 5,440.00
4	CONCRETE DRIVEWAY	91	CY	\$ 500.00	\$ 45,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	120,290.00
Engineering: (% +/-)	15%	\$ 18,304.29
Contingency: (% +/-)	20%	\$ 24,405.71
Estimated Project Cost:	\$	163,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	202
Medium	349
Low	1,018
Compliant	915
Total	2,484

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (B) (15th to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	706	SY	\$ 10.00	\$ 7,060.00
2	CONCRETE SIDEWALK (SD-1)	731	SY	\$ 80.00	\$ 58,480.00
3	REMOVAL OF PAVEMENT	79	SY	\$ 10.00	\$ 790.00
4	CONCRETE DRIVEWAY	14	CY	\$ 500.00	\$ 7,000.00
5	RELOCATE FIRE HYDRANT	1	LS	\$ 2,000.00	\$ 2,000.00
6	RELOCATE UTILITY	2	LS	\$ 500.00	\$ 1,000.00
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	76,330.00
Engineering: (% +/-)	15%	\$ 11,858.57
Contingency: (% +/-)	20%	\$ 15,811.43
Estimated Project Cost:	\$	104,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	106
Medium	597
Low	599
Compliant	1,154
Total	2,455

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (B) (15th to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,071	SY	\$ 10.00	\$ 10,710.00
2	CONCRETE SIDEWALK (SD-1)	1,088	SY	\$ 80.00	\$ 87,040.00
3	REMOVAL OF PAVEMENT	274	SY	\$ 10.00	\$ 2,740.00
4	CONCRETE DRIVEWAY	46	CY	\$ 500.00	\$ 23,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	124,990.00
Engineering: (% +/-)	15%	\$ 18,861.43
Contingency: (% +/-)	20%	\$ 25,148.57
Estimated Project Cost:	\$	169,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	215
Medium	163
Low	1,249
Compliant	972
Total	2,599

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (C) (11th to 2nd) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,387	SY	\$ 10.00	\$ 13,870.00
2	CONCRETE SIDEWALK (SD-1)	1,436	SY	\$ 80.00	\$ 114,880.00
3	REMOVAL OF PAVEMENT	605	SY	\$ 10.00	\$ 6,050.00
4	CONCRETE DRIVEWAY	101	CY	\$ 500.00	\$ 50,500.00
5	RELOCATE FIRE HYDRANT	2	LS	\$ 2,000.00	\$ 4,000.00
6	RELOCATE UTILITY	1	LS	\$ 500.00	\$ 500.00
7	REMOVE OBSTRUCTION	3	LS	\$ 500.00	\$ 1,500.00
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,300.00
Engineering: (% +/-)	15%	\$ 29,014.29
Contingency: (% +/-)	20%	\$ 38,685.71
Estimated Project Cost:	\$	260,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	905
Medium	329
Low	1,741
Compliant	553
Total	3,528

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (C) (11th to 2nd) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,400	SY	\$ 10.00	\$ 14,000.00
2	CONCRETE SIDEWALK (SD-1)	1,449	SY	\$ 80.00	\$ 115,920.00
3	REMOVAL OF PAVEMENT	575	SY	\$ 10.00	\$ 5,750.00
4	CONCRETE DRIVEWAY	96	CY	\$ 500.00	\$ 48,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	185,170.00
Engineering: (% +/-)	15%	\$ 27,784.29
Contingency: (% +/-)	20%	\$ 37,045.71
Estimated Project Cost:	\$	250,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	437
Medium	623
Low	1,644
Compliant	804
Total	3,509

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (D) (Admiral to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,339	SY	\$ 10.00	\$ 13,390.00
2	CONCRETE SIDEWALK (SD-1)	1,344	SY	\$ 80.00	\$ 107,520.00
3	REMOVAL OF PAVEMENT	1,262	SY	\$ 10.00	\$ 12,620.00
4	CONCRETE DRIVEWAY	211	CY	\$ 500.00	\$ 105,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	239,530.00
Engineering: (% +/-)	15%	\$ 36,201.43
Contingency: (% +/-)	20%	\$ 48,268.57
Estimated Project Cost:	\$	324,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	998
Medium	972
Low	1,549
Compliant	2,705
Total	6,223

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (D) (Admiral to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,098	SY	\$ 10.00	\$ 10,980.00
2	CONCRETE SIDEWALK (SD-1)	1,344	SY	\$ 80.00	\$ 107,520.00
3	REMOVAL OF PAVEMENT	1,228	SY	\$ 10.00	\$ 12,280.00
4	CONCRETE DRIVEWAY	205	CY	\$ 500.00	\$ 102,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	233,780.00
Engineering: (% +/-)	15%	\$ 35,237.14
Contingency: (% +/-)	20%	\$ 46,982.86
Estimated Project Cost:	\$	316,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	1,306
Medium	620
Low	1,572
Compliant	2,885
Total	6,384

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (E) (2nd to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	71	SY	\$ 10.00	\$ 710.00
2	CONCRETE SIDEWALK (SD-1)	71	SY	\$ 80.00	\$ 5,680.00
3	REMOVAL OF PAVEMENT	134	SY	\$ 10.00	\$ 1,340.00
4	CONCRETE DRIVEWAY	23	CY	\$ 500.00	\$ 11,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	19,230.00
Engineering: (% +/-)	15%	\$ 2,901.43
Contingency: (% +/-)	20%	\$ 3,868.57
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	70
Medium	87
Low	85
Compliant	443
Total	685

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Utica Avenue (E) (2nd to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	78	SY	\$ 10.00	\$ 780.00
2	CONCRETE SIDEWALK (SD-1)	78	SY	\$ 80.00	\$ 6,240.00
3	REMOVAL OF PAVEMENT	156	SY	\$ 10.00	\$ 1,560.00
4	CONCRETE DRIVEWAY	26	CY	\$ 500.00	\$ 13,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	22,080.00
Engineering: (% +/-)	15%	\$ 3,394.29
Contingency: (% +/-)	20%	\$ 4,525.71
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	125
Medium	37
Low	131
Compliant	360
Total	653

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (A) (101st to 91st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,470	SY	\$ 10.00	\$ 14,700.00
2	CONCRETE SIDEWALK (SD-1)	2,722	SY	\$ 80.00	\$ 217,760.00
3	REMOVAL OF PAVEMENT	212	SY	\$ 10.00	\$ 2,120.00
4	CONCRETE DRIVEWAY	36	CY	\$ 500.00	\$ 18,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	252,580.00
Engineering: (% +/-)	15%	\$ 37,894.29
Contingency: (% +/-)	20%	\$ 50,525.71
Estimated Project Cost:	\$	341,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	171
Medium	1,045
Low	3,518
Compliant	412
Total	5,145

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (A) (101st to 91st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,188	SY	\$ 10.00	\$ 11,880.00
2	CONCRETE SIDEWALK (SD-1)	2,703	SY	\$ 80.00	\$ 216,240.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	240,400.00
Engineering: (% +/-)	15%	\$ 36,257.14
Contingency: (% +/-)	20%	\$ 48,342.86
Estimated Project Cost:	\$	325,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	933
Low	3,776
Compliant	436
Total	5,145

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (B) (81st to 71st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,004	SY	\$ 10.00	\$ 20,040.00
2	CONCRETE SIDEWALK (SD-1)	2,012	SY	\$ 80.00	\$ 160,960.00
3	REMOVAL OF PAVEMENT	467	SY	\$ 10.00	\$ 4,670.00
4	CONCRETE DRIVEWAY	78	CY	\$ 500.00	\$ 39,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	224,670.00
Engineering: (% +/-)	15%	\$ 33,998.57
Contingency: (% +/-)	20%	\$ 45,331.43
Estimated Project Cost:	\$	304,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	252
Medium	1,263
Low	2,525
Compliant	1,093
Total	5,133

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (B) (81st to 71st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,178	SY	\$ 10.00	\$ 21,780.00
2	CONCRETE SIDEWALK (SD-1)	2,178	SY	\$ 80.00	\$ 174,240.00
3	REMOVAL OF PAVEMENT	267	SY	\$ 10.00	\$ 2,670.00
4	CONCRETE DRIVEWAY	45	CY	\$ 500.00	\$ 22,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	221,190.00
Engineering: (% +/-)	15%	\$ 33,347.14
Contingency: (% +/-)	20%	\$ 44,462.86
Estimated Project Cost:	\$	299,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	350
Medium	2,107
Low	1,543
Compliant	1,141
Total	5,140

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (C) (71st to 61st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	971	SY	\$ 10.00	\$ 9,710.00
2	CONCRETE SIDEWALK (SD-1)	2,129	SY	\$ 80.00	\$ 170,320.00
3	REMOVAL OF PAVEMENT	128	SY	\$ 10.00	\$ 1,280.00
4	CONCRETE DRIVEWAY	22	CY	\$ 500.00	\$ 11,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	192,310.00
Engineering: (% +/-)	15%	\$ 29,010.00
Contingency: (% +/-)	20%	\$ 38,680.00
Estimated Project Cost:	\$	260,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	210
Medium	486
Low	3,645
Compliant	800
Total	5,141

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (C) (71st to 61st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,401	SY	\$ 10.00	\$ 14,010.00
2	CONCRETE SIDEWALK (SD-1)	2,179	SY	\$ 80.00	\$ 174,320.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	195,610.00
Engineering: (% +/-)	15%	\$ 29,738.57
Contingency: (% +/-)	20%	\$ 39,651.43
Estimated Project Cost:	\$	265,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	732
Medium	746
Low	2,641
Compliant	1,011
Total	5,130

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (D) (61st to 51st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	253	SY	\$ 10.00	\$ 2,530.00
2	CONCRETE SIDEWALK (SD-1)	2,727	SY	\$ 80.00	\$ 218,160.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	220,690.00
Engineering: (% +/-)	15%	\$ 33,132.86
Contingency: (% +/-)	20%	\$ 44,177.14
Estimated Project Cost:	\$	298,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	114
Medium	180
Low	4,712
Compliant	110
Total	5,116

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (D) (61st to 51st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,606	SY	\$ 10.00	\$ 16,060.00
2	CONCRETE SIDEWALK (SD-1)	1,606	SY	\$ 80.00	\$ 128,480.00
3	REMOVAL OF PAVEMENT	378	SY	\$ 10.00	\$ 3,780.00
4	CONCRETE DRIVEWAY	63	CY	\$ 500.00	\$ 31,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	179,820.00
Engineering: (% +/-)	15%	\$ 27,077.14
Contingency: (% +/-)	20%	\$ 36,102.86
Estimated Project Cost:	\$	243,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	618
Medium	1,342
Low	1,442
Compliant	1,737
Total	5,139

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (F) (51st to 41th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,150	SY	\$ 10.00	\$ 21,500.00
2	CONCRETE SIDEWALK (SD-1)	2,150	SY	\$ 80.00	\$ 172,000.00
3	REMOVAL OF PAVEMENT	500	SY	\$ 10.00	\$ 5,000.00
4	CONCRETE DRIVEWAY	84	CY	\$ 500.00	\$ 42,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	240,500.00
Engineering: (% +/-)	15%	\$ 36,214.29
Contingency: (% +/-)	20%	\$ 48,285.71
Estimated Project Cost:	\$	325,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	884
Medium	1,650
Low	1,517
Compliant	1,121
Total	5,171

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (F) (51st to 41th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,310	SY	\$ 10.00	\$ 23,100.00
2	CONCRETE SIDEWALK (SD-1)	2,598	SY	\$ 80.00	\$ 207,840.00
3	REMOVAL OF PAVEMENT	300	SY	\$ 10.00	\$ 3,000.00
4	CONCRETE DRIVEWAY	50	CY	\$ 500.00	\$ 25,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	258,940.00
Engineering: (% +/-)	15%	\$ 39,025.71
Contingency: (% +/-)	20%	\$ 52,034.29
Estimated Project Cost:	\$	350,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	479
Medium	1,648
Low	2,256
Compliant	802
Total	5,185

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (H) (31st to 21st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	53	SY	\$ 10.00	\$ 530.00
2	CONCRETE SIDEWALK (SD-1)	2,814	SY	\$ 80.00	\$ 225,120.00
3	REMOVAL OF PAVEMENT	28	SY	\$ 10.00	\$ 280.00
4	CONCRETE DRIVEWAY	5	CY	\$ 500.00	\$ 2,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,430.00
Engineering: (% +/-)	15%	\$ 34,530.00
Contingency: (% +/-)	20%	\$ 46,040.00
Estimated Project Cost:	\$	309,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,106
Compliant	80
Total	5,186

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (H) (31st to 21st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	588	SY	\$ 10.00	\$ 5,880.00
2	CONCRETE SIDEWALK (SD-1)	2,956	SY	\$ 80.00	\$ 236,480.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	255,750.00
Engineering: (% +/-)	15%	\$ 38,678.57
Contingency: (% +/-)	20%	\$ 51,571.43
Estimated Project Cost:	\$	346,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	145
Medium	430
Low	4,578
Compliant	0
Total	5,153

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (I) (21st to 11th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,724	SY	\$ 10.00	\$ 17,240.00
2	CONCRETE SIDEWALK (SD-1)	1,724	SY	\$ 80.00	\$ 137,920.00
3	REMOVAL OF PAVEMENT	617	SY	\$ 10.00	\$ 6,170.00
4	CONCRETE DRIVEWAY	103	CY	\$ 500.00	\$ 51,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	5	LS	\$ 500.00	\$ 2,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	10	LF	\$ 75.00	\$ 750.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	216,080.00
Engineering: (% +/-)	15%	\$ 32,537.14
Contingency: (% +/-)	20%	\$ 43,382.86
Estimated Project Cost:	\$	292,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	441
Medium	862
Low	2,289
Compliant	1,554
Total	5,147

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (I) (21st to 11th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,309	SY	\$ 10.00	\$ 13,090.00
2	CONCRETE SIDEWALK (SD-1)	1,334	SY	\$ 80.00	\$ 106,720.00
3	REMOVAL OF PAVEMENT	532	SY	\$ 10.00	\$ 5,320.00
4	CONCRETE DRIVEWAY	89	CY	\$ 500.00	\$ 44,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	4	LS	\$ 500.00	\$ 2,000.00
7	REMOVE OBSTRUCTION	5	LS	\$ 500.00	\$ 2,500.00
8	REMOVE TEMPORARY OBSTRUCTION	11	LS	\$ 500.00	\$ 5,500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	179,630.00
Engineering: (% +/-)	15%	\$ 27,158.57
Contingency: (% +/-)	20%	\$ 36,211.43
Estimated Project Cost:	\$	243,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	809
Medium	422
Low	1,876
Compliant	2,061
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (J) (11th to Admiral) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,601	SY	\$ 10.00	\$ 16,010.00
2	CONCRETE SIDEWALK (SD-1)	1,606	SY	\$ 80.00	\$ 128,480.00
3	REMOVAL OF PAVEMENT	723	SY	\$ 10.00	\$ 7,230.00
4	CONCRETE DRIVEWAY	121	CY	\$ 500.00	\$ 60,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	213,220.00
Engineering: (% +/-)	15%	\$ 32,048.57
Contingency: (% +/-)	20%	\$ 42,731.43
Estimated Project Cost:	\$	288,000.00

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Project Location

Project Details

Priority	Length (LF)
High	780
Medium	1,022
Low	1,635
Compliant	1,166
Total	4,603

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (J) (11th to Admiral) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1,799	SY	\$ 10.00	\$ 17,990.00
2	CONCRETE SIDEWALK (SD-1)	1,816	SY	\$ 80.00	\$ 145,280.00
3	REMOVAL OF PAVEMENT	473	SY	\$ 10.00	\$ 4,730.00
4	CONCRETE DRIVEWAY	79	CY	\$ 500.00	\$ 39,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	207,500.00
Engineering: (% +/-)	15%	\$ 31,500.00
Contingency: (% +/-)	20%	\$ 42,000.00
Estimated Project Cost:	\$	281,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	640
Medium	1,255
Low	1,651
Compliant	1,072
Total	4,617

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (K) (Admiral to Pine) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,278	SY	\$ 10.00	\$ 22,780.00
2	CONCRETE SIDEWALK (SD-1)	2,278	SY	\$ 80.00	\$ 182,240.00
3	REMOVAL OF PAVEMENT	978	SY	\$ 10.00	\$ 9,780.00
4	CONCRETE DRIVEWAY	163	CY	\$ 500.00	\$ 81,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	296,300.00
Engineering: (% +/-)	15%	\$ 44,871.43
Contingency: (% +/-)	20%	\$ 59,828.57
Estimated Project Cost:	\$	401,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	477
Medium	1,581
Low	2,838
Compliant	956
Total	5,852

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (K) (Admiral to Pine) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	2,615	SY	\$ 10.00	\$ 26,150.00
2	CONCRETE SIDEWALK (SD-1)	2,615	SY	\$ 80.00	\$ 209,200.00
3	REMOVAL OF PAVEMENT	417	SY	\$ 10.00	\$ 4,170.00
4	CONCRETE DRIVEWAY	70	CY	\$ 500.00	\$ 35,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	274,520.00
Engineering: (% +/-)	15%	\$ 41,348.57
Contingency: (% +/-)	20%	\$ 55,131.43
Estimated Project Cost:	\$	371,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	364
Medium	1,814
Low	2,804
Compliant	872
Total	5,855

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (L) (Apache to 36th) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	827	SY	\$ 10.00	\$ 8,270.00
2	CONCRETE SIDEWALK (SD-1)	1,861	SY	\$ 80.00	\$ 148,880.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	164,930.00
Engineering: (% +/-)	15%	\$ 24,887.14
Contingency: (% +/-)	20%	\$ 33,182.86
Estimated Project Cost:	\$	223,000.00

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Project Location

Project Details

Priority	Length (LF)
High	223
Medium	519
Low	2,411
Compliant	2,044
Total	5,197

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (L) (Apache to 36th) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	1	SY	\$ 10.00	\$ 10.00
2	CONCRETE SIDEWALK (SD-1)	2,833	SY	\$ 80.00	\$ 226,640.00
3	REMOVAL OF PAVEMENT	0	SY	\$ 10.00	\$ -
4	CONCRETE DRIVEWAY	0	CY	\$ 500.00	\$ -
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	226,650.00
Engineering: (% +/-)	15%	\$ 34,007.14
Contingency: (% +/-)	20%	\$ 45,342.86
Estimated Project Cost:	\$	306,000.00

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Project Location

Project Details

Priority	Length (LF)
High	0
Medium	0
Low	5,099
Compliant	68
Total	5,167

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (M) (91st to 81st) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	545	SY	\$ 10.00	\$ 5,450.00
2	CONCRETE SIDEWALK (SD-1)	2,876	SY	\$ 80.00	\$ 230,080.00
3	REMOVAL OF PAVEMENT	73	SY	\$ 10.00	\$ 730.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	243,260.00
Engineering: (% +/-)	15%	\$ 36,745.71
Contingency: (% +/-)	20%	\$ 48,994.29
Estimated Project Cost:	\$	329,000.00

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Project Location

Project Details	
Priority	Length (LF)
High	65
Medium	476
Low	4,541
Compliant	222
Total	5,305

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (M) (91st to 81st) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	383	SY	\$ 10.00	\$ 3,830.00
2	CONCRETE SIDEWALK (SD-1)	2,714	SY	\$ 80.00	\$ 217,120.00
3	REMOVAL OF PAVEMENT	78	SY	\$ 10.00	\$ 780.00
4	CONCRETE DRIVEWAY	13	CY	\$ 500.00	\$ 6,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	228,230.00
Engineering: (% +/-)	15%	\$ 34,615.71
Contingency: (% +/-)	20%	\$ 46,154.29
Estimated Project Cost:	\$	309,000.00

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Project Location

Project Details

Priority	Length (LF)
High	55
Medium	265
Low	4,598
Compliant	393
Total	5,311

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (N) (Pine to Apache) - east

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	206	SY	\$ 10.00	\$ 2,060.00
2	CONCRETE SIDEWALK (SD-1)	2,775	SY	\$ 80.00	\$ 222,000.00
3	REMOVAL OF PAVEMENT	134	SY	\$ 10.00	\$ 1,340.00
4	CONCRETE DRIVEWAY	23	CY	\$ 500.00	\$ 11,500.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	1	LS	\$ 500.00	\$ 500.00
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	237,400.00
Engineering: (% +/-)	15%	\$ 35,828.57
Contingency: (% +/-)	20%	\$ 47,771.43
Estimated Project Cost:	\$	321,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details

Priority	Length (LF)
High	201
Medium	128
Low	4,801
Compliant	0
Total	5,130

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061277900

Date: 7/25/2012
 Prepared By: EPE
 Checked By: SRA

Corridor: Yale Avenue (N) (Pine to Apache) - west

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	78	SY	\$ 10.00	\$ 780.00
2	CONCRETE SIDEWALK (SD-1)	2,736	SY	\$ 80.00	\$ 218,880.00
3	REMOVAL OF PAVEMENT	139	SY	\$ 10.00	\$ 1,390.00
4	CONCRETE DRIVEWAY	24	CY	\$ 500.00	\$ 12,000.00
5	RELOCATE FIRE HYDRANT	0	LS	\$ 2,000.00	\$ -
6	RELOCATE UTILITY	0	LS	\$ 500.00	\$ -
7	REMOVE OBSTRUCTION	0	LS	\$ 500.00	\$ -
8	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
9	CONTACT BUSINESS OWNER	0	LS	\$ -	\$ -
10	HANDRAIL	0	LF	\$ 75.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	233,050.00
Engineering: (% +/-)	15%	\$ 35,121.43
Contingency: (% +/-)	20%	\$ 46,828.57
Estimated Project Cost:	\$	315,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location

Project Details	
Priority	Length (LF)
High	0
Medium	176
Low	4,862
Compliant	73
Total	5,112

Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
8/9/2012

GPS ID	Project Name	Cost Projection
0202	Intersection of E 15th St and S Atlanta Pl	\$ 24,000.00
0215	Intersection of S Garnett Rd and E 67th St (6501 Garnett Rd)	\$ 15,000.00
0217	Intersection of N Hartford Ave and E 39th St N	\$ 25,000.00
0229	Intersection of E 92nd St and S Memorial Dr	\$ 10,000.00
0238	Intersection of E Pine St and US 75 SB Exit Ramp	\$ 13,000.00
1000	Intersection of E Pine St and N Detroit Ave	\$ 7,000.00
1001	Intersection of N Elgin Ave and E Pine St	\$ 17,000.00
1002	Intersection of E Pine St and N Elgin Ave	\$ 17,000.00
1003	Intersection of E Pine St and N Frankfort Ave	\$ 16,000.00
1004	Intersection of E Pine St and N Frankfort Ave	\$ 15,000.00
1006	Intersection of E Pine St and N Greenwood Pl	\$ 17,000.00
1007	Intersection of N Hartford Ave and E Pine St	\$ 29,000.00
1009	Intersection of E Pine St and N Madison Ave	\$ 18,000.00
1011	Intersection of E Pine St and N Norfolk Ave	\$ 22,000.00
1012	Intersection of N Owasso Ave and E Pine St	\$ 26,000.00
2001	Intersection of S Peoria Ave and E 4th St	\$ 23,000.00
2002	Intersection of S Peoria Ave and E 5th St	\$ 35,000.00
2003	Intersection of S Peoria Ave and E 5th Pl	\$ 27,000.00
2004	Intersection of S Peoria Ave and E 6th St (west)	\$ 10,000.00
2005	Intersection of S Peoria Ave and E 8th St	\$ 28,000.00
2006	Intersection of S Peoria Ave and E 10th St	\$ 16,000.00
2007	Intersection of S Peoria Ave and E 12th St	\$ 18,000.00
2008	Intersection of S Peoria Ave and E 13th St	\$ 30,000.00
2009	Intersection of S Peoria Ave and E 13th Pl	\$ 8,000.00
2010	Intersection of S Peoria Ave and E 14th St	\$ 15,000.00
2011	Intersection of S Peoria Ave and E 14th Pl	\$ 14,000.00
2012	Intersection of S Peoria Ave and E 16th St (east)	\$ 16,000.00
2013	Intersection of S Peoria Ave and E 16th St (west)	\$ 17,000.00
2014	Intersection of S Peoria Ave and E 17th St	\$ 17,000.00
2015	Intersection of S Peoria Ave and E 17th Pl	\$ 21,000.00
2016	Intersection of S Peoria Ave and E 18th St	\$ 24,000.00
2017	Intersection of S Peoria Ave and E 19th St	\$ 29,000.00
2018	Intersection of S Peoria Ave and E 20th St	\$ 23,000.00
3000	Intersection of S Utica Ave and E 2nd St	\$ 39,000.00
3001	Intersection of E 4th St and S Utica Ave	\$ 7,000.00
3002	Intersection of E 4th Pl and S Utica Ave	\$ 28,000.00
3003	Intersection of E 5th St and S Utica Ave	\$ 32,000.00
3004	Intersection of S Utica Ave and E 7th St	\$ 23,000.00
3005	Intersection of S Utica Ave and E 8th St	\$ 24,000.00
3006	Intersection of E 10th St and S Utica Ave	\$ 9,000.00
3007	Intersection of S Utica Ave and E 13th St	\$ 29,000.00
3008	Intersection of S Utica Ave and E 14th Pl	\$ 8,000.00
3009	Intersection of S Utica Ave and E 16th St	\$ 29,000.00
3010	Intersection of S Utica Ave and E 17th St	\$ 24,000.00
3011	Intersection of S Utica Ave and E 17th Pl (west)	\$ 15,000.00
3012	Intersection of S Utica Ave and E 17th Pl (east)	\$ 32,000.00

GPS ID	Project Name	Cost Projection
3013	Intersection of S Utica Ave and Swan Dr	\$ 23,000.00
3014	Intersection of S Utica Ave and E Admiral Pl	\$ 9,000.00
3015	Intersection of S Utica Ave and E Archer St	\$ 28,000.00
3016	Intersection of S Utica Ave and E Easton St	\$ 15,000.00
3017	Intersection of S Utica Ave and E Haskell St (east)	\$ 12,000.00
3018	Intersection of S Utica Ave and E Haskell St (west)	\$ 15,000.00
3019	Intersection of S Utica Ave and E Independence St	\$ 15,000.00
3020	Intersection of S Utica Ave and E Jasper St	\$ 24,000.00
3021	Intersection of S Utica Ave and E King St	\$ 26,000.00
3022	Intersection of S Utica Ave and E King Pl	\$ 16,000.00
3023	Intersection of S Utica Ave and E Latimer St	\$ 15,000.00
3024	Intersection of S Utica Ave and E Latimer Pl	\$ 18,000.00
3025	Intersection of S Utica Ave and E Latimer Ct	\$ 18,000.00
3026	Intersection of S Utica Ave and E Marshall St	\$ 33,000.00
3027	Intersection of S Utica Ave and E Marshall Pl	\$ 17,000.00
3028	Intersection of S Utica Ave and E Newton St	\$ 10,000.00
3029	Intersection of S Utica Ave and E Newton Pl	\$ 1,000.00
3030	Intersection of S Utica Ave and E Oklahoma St	\$ 38,000.00
3031	Intersection of S Utica Ave and E Oklahoma Pl	\$ 34,000.00
4000	Intersection of S Quaker Ave and E 11th St	\$ 19,000.00
4001	Intersection of S Quincy Ave and E 11th St	\$ 21,000.00
4002	Intersection of S Rockford Ave and E 11th St	\$ 21,000.00
4003	Intersection of E 11th St and S Stlouis Ave	\$ 28,000.00
4004	Intersection of S Trenton Ave and E 11th St	\$ 20,000.00
4005	Intersection of E 11th St and S Troost Ave	\$ 12,000.00
4006	Intersection of S Utica Pl and E 11th St	\$ 36,000.00
4007	Intersection of E 11th St and S Victor Ave	\$ 34,000.00
4008	Intersection of E 11th St and S Wheeling Ave	\$ 34,000.00
4009	Intersection of S Xanthus Ave and E 11th St	\$ 29,000.00
4010	Intersection of E 11th St and S Xanthus Pl	\$ 33,000.00
4011	Intersection of S Yorktown Ave and E 11th St	\$ 28,000.00
4012	Intersection of E 11th St and S Zunis Ave	\$ 9,000.00
4013	Intersection of E 11th St and S Gillette Ave	\$ 7,000.00
5000	Intersection of E 15th St and S Quaker Ave	\$ 35,000.00
5001	Intersection of E 15th St and S Quincy Ave	\$ 32,000.00
5002	Intersection of E 15th St and S Rockford Ave	\$ 20,000.00
5003	Intersection of E 15th St and S Stlouis Ave	\$ 21,000.00
5004	Intersection of E 15th St and S Trenton Ave	\$ 36,000.00
5005	Intersection of S Troost Ave and E 15th St	\$ 25,000.00
5006	Intersection of S Victor Ave and E 15th St	\$ 16,000.00
5007	Intersection of E 15th St and S Xanthus Pl	\$ 10,000.00
5008	Intersection of E 15th St and S Yorktown Ave	\$ 10,000.00
5009	Intersection of S Yorktown Pl and E 15th St	\$ 18,000.00
5010	Intersection of S Yorktown Pl and E 15th St	\$ 8,000.00
5011	Intersection of S Gillette Ave and E 15th St	\$ 8,000.00
5012	Intersection of S Lewis Pl and E 15th St	\$ 26,000.00
6000	Intersection of E 12th St and S Harvard Ave	\$ 16,000.00
6001	Intersection of S Harvard Ave and E 13th St	\$ 35,000.00
6002	Intersection of S Harvard Ave and E 14th St	\$ 28,000.00
6003	Intersection of S Harvard Ave and E 16th St	\$ 33,000.00
6004	Intersection of E 17th St and S Harvard Ave	\$ 16,000.00

GPS ID	Project Name	Cost Projection
6005	Intersection of S Harvard Ave and E 19th St	\$ 33,000.00
7000	Intersection of S Victor Ave and E 21st St	\$ 8,000.00
7002	Intersection of E 21st St and S Xanthus Ave	\$ 33,000.00
7004	Intersection of E 21st St and S Zunis Ave	\$ 19,000.00
8000	Intersection of S Yale Ave and E 12th St	\$ 20,000.00
8001	Intersection of S Yale Ave and E 13th St	\$ 30,000.00
8002	Intersection of S Yale Ave and E 14th St	\$ 25,000.00
8003	Intersection of S Yale Ave and E 16th St	\$ 16,000.00
9000	Intersection of S 129th East Ave and E 21st Pl	\$ 11,000.00
9001	Intersection of S 129th East Ave and E 23rd St	\$ 23,000.00
9002	Intersection of S 129th East Ave and E 24th St (west)	\$ 16,000.00
9003	Intersection of S 129th East Ave and E 24th St (east)	\$ 16,000.00
9004	Intersection of S 129th East Ave and E 26th St	\$ 10,000.00
9005	Intersection of E 27th St and S 129th East Ave	\$ 25,000.00
9006	Intersection of S 129th East Ave and E 28th St	\$ 9,000.00
9007	Intersection of S 129th East Ave and E 28th Pl	\$ 16,000.00
10002	Intersection of E 55th Pl and S Garnett Rd	\$ 22,000.00
10003	Intersection of E 56th St and S Garnett Rd	\$ 16,000.00
11015	Intersection of S Lewis Pl and E 11th St	\$ 18,000.00
11016	Intersection of E 11th St and S Atlanta Ave	\$ 32,000.00
11017	Intersection of S Atlanta Pl and E 11th St	\$ 18,000.00
11018	Intersection of S Birmingham Ave and E 11th St	\$ 16,000.00
11019	Intersection of E 11th St and S Birmingham Pl	\$ 17,000.00
11020	Intersection of E 11th St and S Columbia Ave	\$ 26,000.00
11021	Intersection of E 11th St and S Delaware Pl	\$ 7,000.00
11022	Intersection of S Evanston Ave and E 11th St	\$ 18,000.00
11023	Intersection of E 11th St and S College Ave	\$ 16,000.00
11024	Intersection of S Florence Ave and E 11th St	\$ 25,000.00
11025	Intersection of S Florence Pl and E 11th St	\$ 10,000.00
11026	Midblock Crossing at E 11th St (west of S Gary Ave)	\$ 9,000.00
11027	Intersection of S Gary Ave and E 11th St	\$ 11,000.00
11028	Intersection of S Gary Pl and E 11th St	\$ 17,000.00
11029	Intersection of S Indianapolis Ave and E 11th St	\$ 18,000.00
11030	Intersection of E 11th St and S Jamestown Ave	\$ 17,000.00
11031	Intersection of E 11th St and S Knoxville Ave	\$ 15,000.00
11032	Intersection of E 11th St and S Louisville Ave	\$ 33,000.00
11033	Intersection of E 11th St and S New Haven Ave	\$ 26,000.00
11034	Intersection of E 11th St and S Oswego Ave	\$ 11,000.00
11035	Intersection of S Quebec Ave and E 11th St	\$ 29,000.00
11036	Intersection of S Richmond Ave and E 11th St	\$ 23,000.00
11037	Intersection of S Sandusky Ave and E 11th St	\$ 22,000.00
11038	Intersection of S Toledo Ave and E 11th St	\$ 36,000.00
11039	Intersection of E 11th St and S Urbana Ave	\$ 30,000.00
11040	Intersection of S Vandalia Ave and E 11th St	\$ 36,000.00
11041	Intersection of E 11th St and S Winston Ave	\$ 34,000.00
11042	Intersection of S Allegheny Ave and E 11th St	\$ 24,000.00
11043	Intersection of S Braden Ave and E 11th St	\$ 36,000.00
11044	Intersection of S Canton Ave and E 11th St	\$ 36,000.00
11045	Intersection of E 11th St and S Darlington Ave	\$ 17,000.00
11046	Intersection of S Erie Ave and E 11th St	\$ 33,000.00
11047	Intersection of S Fulton Ave and E 11th St	\$ 19,000.00

GPS ID	Project Name	Cost Projection
11048	Intersection of S Hudson Ave and E 11th St	\$ 26,000.00
11049	Intersection of S Joplin Ave and E 11th St	\$ 14,000.00
11050	Intersection of E 11th St and S Lakewood Ave	\$ 16,000.00
11051	Intersection of E 11th St and S Maplewood Ave	\$ 8,000.00
11052	Intersection of S Norwood Ave and E 11th St	\$ 8,000.00
11053	Intersection of S Oxford Ave and E 11th St	\$ 8,000.00
11054	Intersection of E 11th St and S 67th East Ave	\$ 8,000.00
11055	Intersection of S 69th East Ave and E 11th St	\$ 22,000.00
11056	Intersection of E 11th St and S 71st East Ave (north)	\$ 8,000.00
11057	Intersection of E 11th St and S 71st East Ave (south)	\$ 18,000.00
11058	Intersection of S 93rd East Ave and E 11th St	\$ 15,000.00
11059	Intersection of S 74th East Ave and E 11th St	\$ 8,000.00
11060	Intersection of S 75th East Ave and E 11th St	\$ 8,000.00
11061	Intersection of S 76th East Ave and E 11th St	\$ 8,000.00
11062	Intersection of E 11th St and S 77th East Ave	\$ 8,000.00
11063	Intersection of S 79th East Ave and E 11th St	\$ 8,000.00
11064	Intersection of E 11th St and S 83rd East Ave	\$ 32,000.00
11065	Intersection of S 85th East Ave and E 11th St	\$ 29,000.00
11066	Intersection of S 87th East Ave and E 11th St	\$ 31,000.00
11067	Intersection of E 11th St and S 89th East Ave	\$ 28,000.00
11068	Intersection of E 11th St and S 91st East Ave	\$ 17,000.00
11069	Intersection of E 11th St and S 95th East Ave	\$ 16,000.00
11070	Intersection of E 11th St and S 107th East Ave	\$ 26,000.00
11071	Intersection of E 11th St and S 111th East Ave	\$ 11,000.00
11072	Intersection of S 119th East Ave and E 11th St	\$ 16,000.00
11073	Intersection of S 120th East Ave and E 11th St	\$ 8,000.00
11074	Intersection of E 11th St and S 123rd East Ave	\$ 18,000.00
11075	Intersection of E 11th St and S 124th East Ave	\$ 6,000.00
11076	Intersection of E 11th St and S 127th East Ave	\$ 11,000.00
12018	Intersection of S Atlanta Ave and E 15th St	\$ 35,000.00
12020	Intersection of E 15th St and S Columbia Ave	\$ 31,000.00
12021	Intersection of S Columbia Pl and E 15th St	\$ 16,000.00
12023	Intersection of S Delaware Pl and E 15th St	\$ 33,000.00
12024	Intersection of S Evanston Ave and E 15th St	\$ 29,000.00
12025	Intersection of S College Ave and E 15th St	\$ 32,000.00
12026	Intersection of S Florence Ave and E 15th St	\$ 30,000.00
12027	Intersection of S Florence Pl and E 15th St	\$ 31,000.00
12028	Intersection of S Gary Ave and E 15th St	\$ 31,000.00
12029	Intersection of S Gary Pl and E 15th St	\$ 32,000.00
12030	Intersection of S Indianapolis Ave and E 15th St	\$ 31,000.00
12031	Intersection of S Jamestown Ave and E 15th St	\$ 31,000.00
12032	Intersection of S Knoxville Ave and E 15th St	\$ 23,000.00
12033	Intersection of E 15th St and S Louisville Ave	\$ 24,000.00
12034	Intersection of E 15th St and S Marion Ave	\$ 9,000.00
12035	Intersection of E 15th St and S New Haven Ave	\$ 33,000.00
12036	Intersection of E 15th St and S Oswego Ave	\$ 24,000.00
12037	Intersection of E 15th St and S Pittsburg Ave	\$ 9,000.00
12038	Intersection of E 15th St and S Quebec Ave	\$ 39,000.00
12039	Intersection of E 15th St and S Richmond Ave	\$ 9,000.00
12040	Intersection of E 15th St and S Sandusky Ave	\$ 44,000.00
12041	Intersection of E 15th St and S Urbana Ave	\$ 43,000.00

GPS ID	Project Name	Cost Projection
12042	Intersection of E 15th St and S Winston Ave	\$ 16,000.00
12043	Intersection of E 15th St and S Allegheny Ave	\$ 17,000.00
12044	Intersection of E 15th St and S Braden Ave	\$ 17,000.00
12045	Intersection of E 15th St and S Canton Ave	\$ 17,000.00
12046	Intersection of E 15th St and S Darlington Ave	\$ 16,000.00
12047	Intersection of E 15th St and S Erie Ave	\$ 10,000.00
12048	Intersection of E 15th St and S Fulton Ave	\$ 9,000.00
12049	Intersection of E 15th St and S Joplin Ave	\$ 8,000.00
12050	Intersection of E 15th St and S 67th East Ave	\$ 8,000.00
12051	Intersection of E 15th St and S 68th East Ave	\$ 8,000.00
12052	Intersection of E 15th St and S 69th East Ave (south)	\$ 8,000.00
12053	Intersection of E 15th St and S 69th East Ave (north)	\$ 16,000.00
12054	Intersection of E 15th St and S 71st East Ave	\$ 8,000.00
12055	Intersection of E 15th St and S 73rd East Ave	\$ 23,000.00
12056	Intersection of E 15th St and S 74th East Ave	\$ 18,000.00
12057	Intersection of E 15th St and S 75th East Ave	\$ 26,000.00
12058	Intersection of E 15th St and S 76th East Ave	\$ 18,000.00
12059	Intersection of E 15th St and S 77th East Ave	\$ 8,000.00
13000	Intersection of W 23rd St and S Phoenix Ave	\$ 18,000.00
13001	Intersection of S Nogales Ave and W 23rd St	\$ 38,000.00
13002	Intersection of S Maybelle Ave and W 23rd St	\$ 31,000.00
13003	Intersection of W 21st St and S Main St	\$ 9,000.00
13004	Intersection of E 21st St and S Boston Ave	\$ 33,000.00
13005	Midblock Crossing at E 21st St (east of S Boston Ave)	\$ 6,000.00
13006	Intersection of E 21st St and S Detroit Ave	\$ 36,000.00
13007	Intersection of E 21st St and S Madison Ave	\$ 35,000.00
13008	Intersection of E 21st St and S Norfolk Ave	\$ 32,000.00
13009	Intersection of E 21st St and S Owasso Ave	\$ 32,000.00
13010	Intersection of E 21st St and E Woodwardpark Dr	\$ 17,000.00
13011	Intersection of E 21st St and Terwilliger Blvd	\$ 18,000.00
13012	Intersection of S Rockford Ave and E 21st St	\$ 18,000.00
13013	Intersection of E 21st St and S St Louis Ave	\$ 28,000.00
13017	Intersection of S Atlanta Ave and E 21st St	\$ 16,000.00
13018	Intersection of E 21st St and S Birmingham Ave	\$ 16,000.00
13019	Intersection of E 21st St and S Evanston Ave	\$ 9,000.00
13020	Intersection of E 21st St and S College Ave	\$ 10,000.00
13021	Intersection of S Florence Ave and E 21st St	\$ 20,000.00
13022	Intersection of E 21st St and S Florence Pl	\$ 24,000.00
13023	Intersection of E 21st St and S Gary Ave	\$ 9,000.00
13024	Intersection of E 21st St and S Gary Pl	\$ 14,000.00
13025	Intersection of E 21st St and S Indianapolis Ave	\$ 16,000.00
13026	Intersection of E 21st St and S Jamestown Ave (south)	\$ 17,000.00
13027	Intersection of E 21st St and S Jamestown Ave (north)	\$ 26,000.00
13028	Intersection of E 21st St and S Knoxville Ave	\$ 10,000.00
13029	Intersection of E 21st St and S Louisville Ave (south)	\$ 11,000.00
13030	Intersection of E 21st St and S Louisville Ave (north)	\$ 6,000.00
13031	Intersection of E 21st St and S Marion Ave	\$ 15,000.00
13032	Intersection of E 21st St and S Oswego Ave	\$ 16,000.00
13033	Intersection of E 21st St and S Vandalia Ave	\$ 17,000.00
13034	Intersection of E 21st St and S 68th East Ave	\$ 16,000.00
13035	Intersection of E 21st St and S 69th East Ave	\$ 24,000.00

GPS ID	Project Name	Cost Projection
13038	Intersection of E 21st St and S 71st East Ave	\$ 18,000.00
13040	Intersection of S 73rd East Ave and E 21st St	\$ 16,000.00
13041	Intersection of E 21st St and S 74th East Ave	\$ 18,000.00
13043	Intersection of E 21st St and S 76th East Ave	\$ 15,000.00
13044	Intersection of E 21st St South and S 77th East Ave	\$ 9,000.00
13045	Intersection of S 79th East Ave and E 21st St	\$ 23,000.00
13046	Intersection of S 85th East Ave and E 21st St	\$ 36,000.00
13047	Intersection of E 21st St and S 87th East Ave	\$ 11,000.00
13048	Intersection of E 21st St and S 89th East Ave	\$ 29,000.00
13049	Intersection of E 21st St and S 93rd East Ave	\$ 18,000.00
13050	Intersection of E 21st St and S 92nd East Ave	\$ 9,000.00
13051	Intersection of E 21st St and S 99th East Ave	\$ 25,000.00
13052	Intersection of S 103rd East Ave and E 21st St	\$ 15,000.00
13053	Intersection of E 21st St and S 107th East Ave	\$ 16,000.00
13054	Intersection of E 21st St and S 108th East Ave	\$ 15,000.00
13055	Intersection of S 109th East Ave and E 21st St	\$ 9,000.00
13056	Intersection of E 21st St and S 111th East Ave	\$ 23,000.00
13057	Intersection of E 21st St and S 114th East Ave	\$ 8,000.00
13058	Intersection of E 21st St and S 116th East Ave	\$ 18,000.00
13059	Intersection of S 117th East Ave and E 21st St	\$ 17,000.00
13060	Intersection of E 21st St and S 120th East Ave (north)	\$ 14,000.00
13061	Intersection of E 21st St and S 120th East Ave (south)	\$ 16,000.00
13062	Intersection of E 21st St and S 123rd East Ave	\$ 18,000.00
13063	Intersection of E 21st St and S 125th East Ave (north)	\$ 18,000.00
13064	Intersection of E 21st St and S 130th East Ave	\$ 13,000.00
13065	Intersection of E 21st St and S 131st East Ave	\$ 18,000.00
13066	Intersection of E 21st St and S 133rd East Ave	\$ 9,000.00
14000	Intersection of N 25th West Ave and W Easton St	\$ 45,000.00
14001	Intersection of W Cameron St and N 25th West Ave	\$ 9,000.00
15000	Intersection of E 31st St and S Gary Pl	\$ 8,000.00
15001	Intersection of E 31st St and S Jamestown Ave	\$ 25,000.00
15002	Intersection of S Louisville Ave and E 31st St	\$ 22,000.00
15003	Intersection of E 31st St and S Winston Ave	\$ 14,000.00
15004	Intersection of E 31st St and S Darlington Ave	\$ 21,000.00
15007	Intersection of S 67th East Ave and E 31st St	\$ 21,000.00
15008	Intersection of E 31st St and S 66th East Pl	\$ 15,000.00
15009	Intersection of S 70th East Ave and E 31st St	\$ 14,000.00
15010	Intersection of E 31st St and Service Rd (east of S 74th East Ave)	\$ 15,000.00
15011	Intersection of E 31st St and Service Rd (west of S 74th East Ave)	\$ 15,000.00
15012	Intersection of S 77th East Ave and E 31st St	\$ 15,000.00
15013	Intersection of S 86th East Ave and E 31st St	\$ 7,000.00
15014	Intersection of E 31st St and S 87th East Ave	\$ 18,000.00
15015	Intersection of E 31st St and S 88th East Ave	\$ 9,000.00
15016	Intersection of S 89th East Ave and E 31st St	\$ 11,000.00
15017	Intersection of E 31st St and S 94th East Ave	\$ 18,000.00
15018	Intersection of S 93rd East Ave and E 31st St	\$ 17,000.00
15019	Intersection of E 31st St and S 99th East Ave	\$ 8,000.00
15020	Intersection of E 31st St and S 101st East Ave (south)	\$ 10,000.00
15021	Intersection of E 31st St and S 101st East Ave (north)	\$ 20,000.00
15022	Intersection of E 31st St and S 111th East Ave	\$ 8,000.00
15023	Intersection of E 31st St and S 116th East Ave (south)	\$ 19,000.00

GPS ID	Project Name	Cost Projection
15024	Intersection of E 31st St and S 116th East Ave (north)	\$ 15,000.00
15025	Intersection of E 31st St and S 120th East Pl	\$ 15,000.00
15026	Intersection of S 121st East Ave and E 31st St	\$ 24,000.00
15027	Intersection of E 31st St and S 124th East Ave (north)	\$ 11,000.00
15028	Intersection of E 31st St and S 124th East Ave (south)	\$ 15,000.00
15029	Intersection of S 126th East Ave and E 31st St	\$ 16,000.00
16000	Intersection of E 36th St N and N Detroit Ave	\$ 9,000.00
16001	Intersection of E 36th St N and N Elgin Ave	\$ 16,000.00
16002	Intersection of N Garrison Ave and E 36th St N	\$ 8,000.00
16003	Intersection of E 36th St N and N Kenosha Ave	\$ 10,000.00
16004	Intersection of N Lansing Ave and E 36th St N	\$ 14,000.00
16005	Intersection of N Lansing Pl and E 36th St N	\$ 31,000.00
16006	Osage Prairie Trail Crossing at E 36th St N (east of N Lansing Pl)	\$ 8,000.00
17000	Intersection of W 41st St and S 34th West Ave	\$ 42,000.00
17001	Intersection of W 41st St and S 29th West Ave	\$ 10,000.00
17002	Intersection of S 25th West Ave and W 41st St	\$ 28,000.00
17003	Intersection of S 24th West Ave and W 41st St	\$ 16,000.00
17004	Intersection of S 23rd West Ave and W 41st St	\$ 26,000.00
17006	Intersection of S Zenith Ave and W 41st St	\$ 42,000.00
17007	Intersection of S Yukon Ave and W 41st St	\$ 30,000.00
17008	Intersection of S Waco Ave and W 41st St	\$ 35,000.00
17009	Intersection of W 41st St and US 75 SB Ramp	\$ 28,000.00
17010	Intersection of W 41st St and US 75 NB Ramp	\$ 15,000.00
17011	Intersection of S Cincinnati Ave and E 41st St	\$ 16,000.00
17012	Intersection of E 41st St and S Detroit Ave	\$ 24,000.00
17013	Intersection of E 41st St and S Madison Ave	\$ 15,000.00
17014	Intersection of S Madison Pl and E 41st St	\$ 16,000.00
17015	Intersection of S Norfolk Ave and E 41st St	\$ 17,000.00
17016	Intersection of E 41st St and S Owasso Ave	\$ 8,000.00
17017	Intersection of S Quincy Ave and E 41st St	\$ 6,000.00
17018	Intersection of E 41st St and S Rockford Ave	\$ 15,000.00
17019	Intersection of S St Louis Ave and E 41st St	\$ 19,000.00
17020	Intersection of E 41st St and S Trenton Ave	\$ 5,000.00
17021	Intersection of E 41st St and S Troost Ave	\$ 16,000.00
17022	Intersection of E 41st St and S Xanthus Ave	\$ 11,000.00
17023	Intersection of S Yorktown Ave and E 41st St	\$ 9,000.00
17024	Intersection of E 41st St and S Atlanta Ave	\$ 18,000.00
17025	Intersection of E 41st St and S Atlanta Pl	\$ 32,000.00
17026	Intersection of S Birmingham Ave and E 41st St	\$ 36,000.00
17027	Intersection of S Birmingham Pl and E 41st St	\$ 35,000.00
17028	Intersection of S Columbia Ave and E 41st St	\$ 17,000.00
17029	Intersection of E 41st St and S Columbia Pl	\$ 16,000.00
17030	Intersection of E 41st St and S Delaware Ave	\$ 17,000.00
17031	Intersection of E 41st St and S Delaware Pl	\$ 18,000.00
17032	Intersection of E 41st St and S Evanston Ave	\$ 18,000.00
17033	Intersection of S Florence Ave and E 41st St	\$ 15,000.00
17035	Intersection of E 41st St and S Florence Pl (west)	\$ 26,000.00
17036	Intersection of E 41st St and S Florence Pl (east)	\$ 32,000.00
17037	Intersection of E 41st St and S Jamestown Ave	\$ 16,000.00
17038	Intersection of E 41st St and S Louisville Ave	\$ 15,000.00
17039	Intersection of E 41st St and S Marion Ave	\$ 16,000.00

GPS ID	Project Name	Cost Projection
17040	Intersection of S New Haven Ave and E 41st St	\$ 36,000.00
17041	Intersection of E 41st St and S Oswego Ave	\$ 18,000.00
17042	Intersection of S New Haven Pl and E 41st St	\$ 17,000.00
17043	Intersection of E 41st St and S Pittsburg Ave (north)	\$ 18,000.00
17044	Intersection of E 41st St and S Pittsburg Ave (south)	\$ 36,000.00
17045	Intersection of E 41st St and S Richmond Ave	\$ 10,000.00
17046	Intersection of S Sandusky Ave and E 41st St	\$ 36,000.00
17047	Intersection of E 41st St and S Toledo Ave	\$ 23,000.00
17048	Intersection of E 41st St and S Urbana Ave	\$ 18,000.00
17049	Intersection of E 41st St and S Vandalia Ave	\$ 17,000.00
17050	Intersection of E 41st St and S 87th East Ave	\$ 17,000.00
17051	Intersection of E 41st St and SH 51 Entrance EB Ramp	\$ 16,000.00
17052	Intersection of E 41st St and SH 51 Entrance WB Ramp	\$ 10,000.00
17053	Intersection of E 41st St and S 92nd East Ave	\$ 18,000.00
17054	Intersection of E 41st St and S 100th East Ave (north)	\$ 11,000.00
17055	Intersection of E 41st St and S 100th East Ave (south)	\$ 19,000.00
18000	Intersection of N Main St and E 46th St N	\$ 10,000.00
18001	Intersection of N Boston Ave and E 46th St N	\$ 8,000.00
18002	Intersection of E 46th St N and N Cincinnati Pl	\$ 15,000.00
18003	Intersection of E 46th St N and N Detroit Ave	\$ 10,000.00
18004	Intersection of E 46th St N and N Detroit Pl	\$ 9,000.00
18005	Intersection of E 46th St N and N Elgin Ave	\$ 9,000.00
18006	Intersection of E 46th St N and N Frankfort Ave	\$ 19,000.00
18007	Intersection of E 46th St N and N Garrison Ave	\$ 16,000.00
18008	Intersection of E 46th St N and N Garrison Pl	\$ 8,000.00
18009	Intersection of E 46th St N and N Iroquois Ave	\$ 8,000.00
18010	Intersection of E 46th St N and N Kenosha Ave	\$ 14,000.00
18011	Osage Prairie Trail Crossing at E 46th St N (east of N Kenosha Ave)	\$ 6,000.00
19000	Intersection of S 33rd West Ave and W 59th St	\$ 11,000.00
19001	Intersection of S 33rd West Ave and W 58th St	\$ 17,000.00
19002	Intersection of S 33rd West Ave and W 57th St	\$ 32,000.00
19003	Intersection of S 33rd West Ave and W 56th St	\$ 9,000.00
19004	Intersection of S 33rd West Ave and W 53rd St (east)	\$ 17,000.00
19005	Intersection of S 33rd West Ave and W 53rd St (west)	\$ 11,000.00
19006	Intersection of S 33rd West Ave and I-44 EB Ramp	\$ 32,000.00
19007	Intersection of S 33rd West Ave and I-44 WB Ramp	\$ 32,000.00
19009	Intersection of S 33rd West Ave and W 48th St	\$ 53,000.00
19010	Intersection of S 33rd West Ave and I-244 EB Exit Ramp	\$ 8,000.00
19011	Intersection of S 33rd West Ave and I-244 WB Entrance Ramp	\$ 14,000.00
19012	Intersection of S 33rd West Ave and I-244 EB Entrance Ramp	\$ 14,000.00
20000	Intersection of N 49th West Ave and Cameron St	\$ 8,000.00
20001	Intersection of N 49th W Ave and Keystone Exwy EB Entrance Ramp	\$ 41,000.00
20002	Intersection of N 49th W Ave and Keystone Exwy WB Entrance Ramp	\$ 2,000.00
21000	Intersection of S Atlanta Ave and E 51st St	\$ 17,000.00
21001	Intersection of S Atlanta Pl and E 51st St	\$ 16,000.00
21002	Intersection of S Birmingham Pl and E 51st St	\$ 18,000.00
21003	Intersection of S Columbia Ave and E 51st St	\$ 10,000.00
21004	Intersection of E 51st St South and S Columbia Pl	\$ 12,000.00
21005	Intersection of E 51st St South and S Delaware Pl	\$ 6,000.00
21009	Intersection of E 51st St and S Marion Ave	\$ 9,000.00
21010	Intersection of S Oswego Ave and E 51st St	\$ 7,000.00

GPS ID	Project Name	Cost Projection
21011	Intersection of S Pittsburg Ave and E 51st St	\$ 18,000.00
21012	Intersection of E 51st St and S Richmond Ave	\$ 17,000.00
21013	Intersection of E 51st St and S Toledo Ave (south)	\$ 18,000.00
21014	Intersection of E 51st St and S Vandalia Ave (north)	\$ 17,000.00
21015	Intersection of E 51st St and S Vandalia Ave (south)	\$ 14,000.00
21016	Intersection of E 51st St and S Braden Ave	\$ 13,000.00
21017	Intersection of E 51st St and S Fulton Ave	\$ 17,000.00
21018	Intersection of E 51st St and S Hudson Ave	\$ 18,000.00
21019	Intersection of E 51st St and S Hudson Pl	\$ 10,000.00
21020	Intersection of S Irvington Ave and E 51st St	\$ 10,000.00
21021	Intersection of E 51st St and S Joplin Ave	\$ 29,000.00
21022	Intersection of E 51st St and S Lakewood Ave	\$ 18,000.00
21023	Intersection of S Lakewood Pl and E 51st St	\$ 18,000.00
21024	Intersection of E 51st St and S 67th East Ave	\$ 22,000.00
21025	Intersection of S 67th East Pl and E 51st St	\$ 17,000.00
21026	Intersection of E 51st St and S 68th East Ave	\$ 9,000.00
21027	Intersection of E 51st St and S 70th East Pl	\$ 18,000.00
21028	Intersection of E 51st St and S 72nd East Ave	\$ 12,000.00
21029	Intersection of S 74th East Ave and E 51st St	\$ 11,000.00
21030	Intersection of S 75th East Ave and E 51st St	\$ 11,000.00
21031	Intersection of E 51st St and S 76th East Ave	\$ 15,000.00
21032	Intersection of E 51st St and S 83rd East Ave	\$ 18,000.00
21033	Intersection of E 51st St and S 94th East Ave	\$ 18,000.00
21035	Intersection of E 51st St and S 87th East Ave	\$ 16,000.00
21036	Intersection of E 51st St and S 90th East Ave	\$ 18,000.00
21037	Intersection of E 51st St and S 94th East Ave	\$ 11,000.00
21038	Intersection of S 100th East Ave and E 51st St	\$ 10,000.00
21039	Intersection of E 51st St and S 101st East Ave	\$ 11,000.00
21040	Intersection of E 51st St and S 103rd East Ave	\$ 29,000.00
21041	Intersection of E 51st St and S 109th East Ave	\$ 16,000.00
21042	Intersection of S 110th East Ave and E 51st St	\$ 11,000.00
21043	Intersection of E 51st St and SH 51 WB Entrance Ramp	\$ 8,000.00
22000	Intersection of W 61st St and S 32nd West Ave	\$ 16,000.00
22001	Intersection of W 61st St and S 31st West Ave	\$ 8,000.00
22002	Intersection of W 61st St and S 30th West Ave	\$ 8,000.00
22003	Intersection of S 29th West Ave and W 61st St	\$ 7,000.00
22004	Intersection of W 61st St and S 28th West Ave	\$ 14,000.00
22005	Intersection of W 61st St and S Xenophon Ave	\$ 5,000.00
22006	Intersection of S Waco Ave and W 61st St	\$ 17,000.00
22007	Intersection of W 61st St and S Santa Fe Ave	\$ 16,000.00
22008	Intersection of S Gary Ave and E 61st St	\$ 9,000.00
22009	Intersection of E 61st St and S Jamestown Ave	\$ 9,000.00
22010	Intersection of E 61st St and S Knoxville Ave	\$ 15,000.00
22011	Intersection of S Louisville Ave and E 61st St	\$ 15,000.00
22012	Intersection of E 61st St and S Marion Pl	\$ 15,000.00
22013	Intersection of E 61st St and S Oswego Ave	\$ 23,000.00
22014	Intersection of E 61st St and S Pittsburg Ave	\$ 9,000.00
22015	Intersection of S Richmond Ave and E 61st St	\$ 16,000.00
22016	Intersection of E 61st St and S Urbana Ave	\$ 16,000.00
22017	Intersection of E 61st St and S Hudson Ave (south)	\$ 16,000.00
22018	Intersection of E 61st St and S Irvington Ave	\$ 13,000.00

GPS ID	Project Name	Cost Projection
22019	Intersection of S Kingston Ave and E 61st St	\$ 23,000.00
22020	Intersection of E 61st St and S Lakewood Ave	\$ 17,000.00
22021	Intersection of E 61st St and S Maplewood Ave	\$ 11,000.00
22022	Intersection of E 61st St and S 66th East Ave	\$ 18,000.00
22023	Intersection of E 61st St and E 60th Pl (west)	\$ 17,000.00
22024	Intersection of E 61st St and E 60th Pl (east)	\$ 16,000.00
22025	Intersection of S 72nd East Ave and E 61st St	\$ 35,000.00
22026	Intersection of E 61st St and S 74th East Ave	\$ 18,000.00
22027	Intersection of E 61st St and S 75th East Ave	\$ 16,000.00
22029	Intersection of 85th E Ave / S 86th East Ave and E 61st St	\$ 36,000.00
22030	Intersection of E 61st St and S 89th East Ave	\$ 18,000.00
22031	Intersection of E 61st St and S 90th East Ave	\$ 17,000.00
22032	Intersection of E 61st St and S 92nd East Ave	\$ 18,000.00
22033	Intersection of E 61st St and S 99th East Ave (north)	\$ 15,000.00
22034	Intersection of E 61st St and S 99th East Ave (south)	\$ 17,000.00
22035	Intersection of E 61st St and S 100th East Ave	\$ 15,000.00
22036	Intersection of E 61st St South and S 104th East Ave	\$ 8,000.00
22037	Intersection of E 61st St and S 116th East Ave	\$ 9,000.00
22038	Intersection of E 61st St and E 91st St	\$ 10,000.00
22039	Intersection of E 61st St South and N Yellowood Ave	\$ 9,000.00
23001	Intersection of W 71st St and S Jackson Ave	\$ 14,000.00
23002	Intersection of S Quincy Ave and E 71st St	\$ 17,000.00
23003	Intersection of E 71st St and S Utica Ave	\$ 18,000.00
23004	Intersection of E 71st St and S Yorktown Ave	\$ 22,000.00
23005	Intersection of E 71st St and S Atlanta Ave	\$ 8,000.00
23006	Intersection of E 71st St and S Birmingham Pl	\$ 28,000.00
23007	Intersection of E 71st St and S Birmingham Ct	\$ 10,000.00
23008	Intersection of E 71st St and S Columbia Ave	\$ 18,000.00
23009	Intersection of E 71st St and S Delaware Pl	\$ 16,000.00
23010	Intersection of S College Ave and E 71st St	\$ 16,000.00
23011	Intersection of E 71st St and S Florence Ave	\$ 16,000.00
23012	Intersection of E 71st St and S Indianapolis Ave (north)	\$ 9,000.00
23013	Intersection of E 71st St and S Indianapolis Ave (south)	\$ 15,000.00
23014	Intersection of E 71st St and S Jamestown Ave (north)	\$ 16,000.00
23015	Intersection of E 71st St and S Jamestown Ave (south)	\$ 6,000.00
23016	Intersection of E 71st St and S Louisville Ave	\$ 24,000.00
23017	Intersection of E 71st St and S Richmond Ave	\$ 16,000.00
23018	Intersection of E 71st St and S Braden Ave	\$ 32,000.00
23019	Intersection of E 71st St and S Canton Ave (south)	\$ 7,000.00
23020	Intersection of S Darlington Ave and E 71st St	\$ 15,000.00
23021	Intersection of E 71st St and S Granite Ave	\$ 9,000.00
23022	Intersection of E 71st St and S Joplin Ave (north)	\$ 20,000.00
23023	Intersection of S Lakewood Ave and E 71st St	\$ 9,000.00
23024	Intersection of E 71st St and S 69th East Ave	\$ 33,000.00
23025	Intersection of E 71st St and S 70th East Ave	\$ 24,000.00
23028	Intersection of E 71st St and S 78th East Ave	\$ 9,000.00
23029	Intersection of E 73rd St and E 71st St	\$ 18,000.00
23030	Intersection of E 71st St and S 77th East Ave	\$ 15,000.00
24000	Intersection of E 81st St and S Wheeling Ave	\$ 11,000.00
24001	Intersection of S Yorktown Ave and E 81st St	\$ 23,000.00
24002	Intersection of E 81st St and S Evanston Ave (south)	\$ 15,000.00

GPS ID	Project Name	Cost Projection
24003	Intersection of E 81st St and S Evanston Ave (north)	\$ 9,000.00
24004	Intersection of E 81st St and S Florence Ave (south)	\$ 15,000.00
24005	Intersection of E 81st St and S Florence Ave (north)	\$ 15,000.00
24006	Intersection of S Florence Pl and E 81st St	\$ 15,000.00
24007	Intersection of E 81st St and S Pittsburg Ave	\$ 8,000.00
24008	Intersection of E 81st St and S Toledo Ave	\$ 15,000.00
24009	Intersection of E 81st St and S 84th East Ave	\$ 14,000.00
24010	Intersection of E 81st St and S 86th East Ave (north)	\$ 6,000.00
24011	Intersection of E 81st St and S 86th East Ave (south)	\$ 16,000.00
24012	Intersection of S 88th East Ave and E 81st St	\$ 6,000.00
24013	Intersection of E 81st St and S 92nd East Ave	\$ 11,000.00
25001	Intersection of E 91st St and S Quebec Ave	\$ 16,000.00
25002	Intersection of E 91st St and S Toledo Ave	\$ 15,000.00
25003	Intersection of E 91st St and S Braden Ave	\$ 8,000.00
26000	Intersection of S 129th East Ave and I-44 WB Ramp	\$ 23,000.00
26001	Intersection of S 129th East Ave and I-44 EB Ramp	\$ 22,000.00
26002	Intersection of S 129th East Ave and E 5th St	\$ 18,000.00
26003	Intersection of E 7th St and S 129th East Ave	\$ 25,000.00
26004	Intersection of S 129th East Ave and E 13th St	\$ 18,000.00
26005	Intersection of S 129th East Ave and E 14th St	\$ 18,000.00
26006	Intersection of S 129th East Ave and E 15th St	\$ 18,000.00
26007	Intersection of S 129th East Ave and E 16th Pl	\$ 18,000.00
26008	Intersection of S 129th East Ave and E 17th St	\$ 15,000.00
26009	Intersection of S 129th East Ave and E 18th St	\$ 28,000.00
26012	Intersection of S 129th East Ave and E 31st Ct (east)	\$ 22,000.00
26013	Intersection of S 129th East Ave and E 31st Ct (west)	\$ 13,000.00
26022	Intersection of S 129th East Ave and E 43rd St	\$ 15,000.00
26023	Intersection of S 129th East Ave and E 43rd Pl	\$ 15,000.00
26024	Intersection of S 129th East Ave and E 45th St	\$ 24,000.00
27000	Intersection of S Quincy Ave and E 1st St	\$ 16,000.00
27001	Intersection of S Rockford Ave and E 1st St	\$ 18,000.00
27002	Intersection of S Trenton Ave and E 1st St	\$ 12,000.00
28000	Intersection of E Admiral Pl and N Victor Ave	\$ 10,000.00
28001	Intersection of E Admiral Pl and N Wheeling Ave	\$ 14,000.00
28002	Intersection of E Admiral Pl and N Xanthus Ave	\$ 14,000.00
28003	Intersection of E Admiral Pl and N Yorktown Ave	\$ 14,000.00
28004	Intersection of E Admiral Pl and N Zunis Ave	\$ 14,000.00
28005	Intersection of E Admiral Pl and N Gillette Ave	\$ 7,000.00
28006	Intersection of E Admiral Pl and N Lewis Pl	\$ 9,000.00
28007	Intersection of E Admiral Pl and N Atlanta Ave	\$ 13,000.00
28008	Intersection of E Admiral Pl and N Birmingham Ave	\$ 21,000.00
28009	Intersection of E Admiral Pl and N Columbia Ave	\$ 13,000.00
28010	Intersection of N College Ave and E Admiral Pl	\$ 30,000.00
28011	Intersection of N Gary Ave and E Admiral Pl	\$ 28,000.00
28012	Intersection of S Indianapolis Ave and E Admiral Pl	\$ 28,000.00
28013	Intersection of S Jamestown Ave and E Admiral Pl	\$ 27,000.00
28014	Intersection of S Knoxville Ave and E Admiral Pl	\$ 14,000.00
28015	Intersection of E Admiral Pl and N Knoxville Ave	\$ 14,000.00
28016	Intersection of S Louisville Ave and E Admiral Pl	\$ 14,000.00
28017	Intersection of E Admiral Pl and N Louisville Ave	\$ 16,000.00
28018	Intersection of E Admiral Pl and N New Haven Ave	\$ 27,000.00

GPS ID	Project Name	Cost Projection
28021	Intersection of E Admiral Pl and N Sandusky Ave	\$ 17,000.00
28022	Intersection of E Admiral Pl and N Urbana Ave	\$ 16,000.00
28023	Intersection of E Admiral Pl and N Allegheny Ave	\$ 5,000.00
28024	Intersection of E Admiral Pl and N Darlington Ave	\$ 18,000.00
28025	Intersection of N Hudson Ave and E Admiral Pl	\$ 18,000.00
28027	Intersection of N Norwood Ave and E Admiral Pl	\$ 9,000.00
28028	Intersection of E Admiral Pl and S 85th East Ave	\$ 10,000.00
28029	Intersection of E Admiral Pl and US 169 SB Entrance Ramp	\$ 8,000.00
28030	Intersection of E Admiral Pl and US 169 NB Exit Ramp	\$ 8,000.00
28032	Intersection of S 67th East Ave and E Admiral Pl	\$ 19,000.00
28033	Intersection of E Admiral Pl and N 68th East Ave (south)	\$ 11,000.00
28034	Intersection of E Admiral Pl and N 68th East Ave (north)	\$ 9,000.00
28035	Intersection of S 69th East Ave and E Admiral Pl	\$ 10,000.00
28036	Intersection of S 70th East Ave and E Admiral Pl	\$ 11,000.00
28037	Intersection of S 71st East Ave and E Admiral Pl	\$ 10,000.00
28038	Intersection of S 72nd East Ave and E Admiral Pl	\$ 11,000.00
28039	Intersection of S 74th East Ave and E Admiral Pl	\$ 8,000.00
28040	Intersection of S 78th East Ave and E Admiral Pl	\$ 10,000.00
29000	Intersection of W Apache St and N Osage Dr	\$ 9,000.00
29001	Intersection of W Apache St and L.L. Tisdale Pkwy SB Ramp	\$ 35,000.00
29002	Intersection of W Apache St and L.L. Tisdale Pkwy NB Ramp	\$ 35,000.00
29003	Intersection of W Apache St and N Denver Pl	\$ 18,000.00
29004	Intersection of N Cheyenne Ave and W Apache St	\$ 36,000.00
29005	Intersection of N Boston Pl and E Apache St	\$ 36,000.00
29006	Intersection of E Apache St and N Frankfort Ave	\$ 31,000.00
29007	Intersection of E Apache St and N Garrison Pl	\$ 18,000.00
29008	Intersection of E Apache St and N Hartford Ave (south)	\$ 18,000.00
29009	Intersection of E Apache St and N Hartford Ave (north)	\$ 18,000.00
29011	Osage Prairie Trail Crossing at E Apache St (west of N Lansing Ave)	\$ 4,000.00
29012	Intersection of N Lansing Ave and E Apache St	\$ 18,000.00
29013	Intersection of E Apache St and N Madison Ave (south)	\$ 14,000.00
29014	Intersection of N Norfolk Ave and E Apache St	\$ 22,000.00
29015	Intersection of E Apache St and N Owasso Ave	\$ 10,000.00
29016	Intersection of N Quaker Ave and E Apache St	\$ 35,000.00
29017	Intersection of N Quincy Ave and E Apache St	\$ 25,000.00
29018	Intersection of N Rockford Ave and E Apache St	\$ 32,000.00
29019	Intersection of N St Louis Ave and E Apache St	\$ 32,000.00
29020	Intersection of N Utica Ave and E Apache St	\$ 17,000.00
29021	Intersection of E Apache St and N Wheeling Ave	\$ 26,000.00
29023	Intersection of N Xanthus Ave and E Apache St	\$ 8,000.00
29024	Intersection of N Xanthus Pl and E Apache St	\$ 8,000.00
29025	Intersection of E Apache St and N Yorktown Ave	\$ 18,000.00
29026	Intersection of E Apache St and N Yorktown Pl	\$ 36,000.00
29027	Intersection of E Apache St and US 75 SB Ramp	\$ 14,000.00
29028	Intersection of E Apache St and US 75 NB Ramp	\$ 16,000.00
29032	Intersection of N Evanston Ave and E Apache St	\$ 14,000.00
29033	Intersection of E Apache St and N Florence Ave	\$ 15,000.00
29034	Intersection of E Apache St and Gilcrease Expy EB Exit Ramp	\$ 20,000.00
29035	Intersection of E Apache St and N Norwood Ave	\$ 11,000.00
29036	Intersection of E Apache St and N Norwood Pl	\$ 18,000.00
29037	Intersection of E Apache St and N Oxford Ave	\$ 11,000.00

GPS ID	Project Name	Cost Projection
29038	Intersection of E Apache St and N New Haven Ave	\$ 15,000.00
30001	Intersection of W Charles Page Blvd and S 63rd West Ave	\$ 18,000.00
30002	Intersection of S 61st West Ave and W Charles Page Blvd	\$ 32,000.00
30003	Intersection of W Charles Page Blvd and S 59th West Ave	\$ 17,000.00
30004	Intersection of S 58th West Ave and W Charles Page Blvd	\$ 9,000.00
30005	Intersection S 57th West Ave and W Charles Page Blvd	\$ 14,000.00
30006	Intersection of W Charles Page Blvd and S 54th West Ave	\$ 9,000.00
30007	Intersection of S 53rd West Ave and W Charles Page Blvd	\$ 8,000.00
30008	Intersection of S 51st West Ave and W Charles Page Blvd	\$ 29,000.00
30009	Intersection S 45th West Ave and W Charles Page Blvd	\$ 29,000.00
30010	Intersection of S 43rd West Ave and W Charles Page Blvd	\$ 23,000.00
30011	Intersection of S 41st West Ave and W Charles Page Blvd	\$ 22,000.00
30012	Intersection of W Charles Page Blvd and S 40th West Ave	\$ 14,000.00
30013	Intersection of W Charles Page Blvd and S 39th West Ave (north)	\$ 14,000.00
30014	Intersection of W Charles Page Blvd and S 39th West Ave (south)	\$ 7,000.00
30015	Intersection of W Charles Page Blvd and S 38th West Ave	\$ 17,000.00
30016	Intersection of W Charles Page Blvd and S 31st West Ave	\$ 17,000.00
30017	Intersection of W Charles Page Blvd and S 28th West Ave	\$ 16,000.00
30018	Intersection of W Charles Page Blvd and S Rosedale Ave	\$ 14,000.00
30019	Intersection of W Charles Page Blvd and S Phoenix Ave	\$ 30,000.00
30020	Intersection of W Charles Page Blvd and S Olympia Ave	\$ 31,000.00
30021	Intersection of W Charles Page Blvd and S Nogales Ave	\$ 29,000.00
31000	Intersection of E Haskell Pl and N Cincinnati Ave	\$ 18,000.00
31001	Intersection of E Independence St and N Cincinnati Ave	\$ 28,000.00
31002	Intersection of E Jasper St and N Cincinnati Ave	\$ 30,000.00
31003	Intersection of E Latimer St and N Cincinnati Ave	\$ 10,000.00
31004	Intersection of N Cincinnati Ave and E Latimer Pl	\$ 33,000.00
31005	Intersection of E Marshall St and N Cincinnati Ave	\$ 32,000.00
31006	Intersection of E Newton St and N Cincinnati Ave	\$ 17,000.00
31007	Intersection of N Cincinnati Ave and E Newton Pl	\$ 18,000.00
31008	Intersection of N Cincinnati Ave and E Oklahoma St (east)	\$ 17,000.00
31009	Intersection of N Cincinnati Ave and E Oklahoma St (west)	\$ 18,000.00
31010	Intersection of E Queen St and N Cincinnati Ave	\$ 32,000.00
31011	Intersection of N Cincinnati Ave and E Reading St	\$ 17,000.00
31012	Intersection of N Cincinnati Ave and E Seminole St	\$ 16,000.00
31013	Intersection of N Cincinnati Ave and E Seminole Pl	\$ 18,000.00
31014	Intersection of N Cincinnati Ave and E Tecumseh St (east)	\$ 16,000.00
31015	Intersection of N Cincinnati Ave and E Tecumseh St (west)	\$ 17,000.00
31016	Intersection of N Cincinnati Ave and E Ute St	\$ 15,000.00
31017	Intersection of N Cincinnati Ave and E Ute Pl	\$ 9,000.00
31018	Intersection of N Cincinnati Ave and E Virgin St	\$ 18,000.00
31019	Intersection of E Victoria St and N Cincinnati Ave	\$ 18,000.00
31020	Intersection of E Woodrow Pl and N Cincinnati Ave	\$ 18,000.00
31022	Intersection of N Cincinnati Ave and E Xyler St (west)	\$ 18,000.00
31023	Intersection of N Cincinnati Ave and E Xyler St (east)	\$ 17,000.00
31024	Intersection of N Cincinnati Ave and E Young St	\$ 17,000.00
31025	Intersection of E Zion St and N Cincinnati Ave	\$ 33,000.00
31026	Intersection of N Cincinnati Ave and E 27th St N	\$ 8,000.00
31027	Intersection of N Cincinnati Ave and E 27th Pl N	\$ 9,000.00
31028	Intersection of N Cincinnati Ave and E 27th Ct N	\$ 15,000.00
31029	Intersection of N Cincinnati Ave and E 28th St N	\$ 17,000.00

GPS ID	Project Name	Cost Projection
31030	Intersection of N Cincinnati Ave and E 29th St N	\$ 18,000.00
31031	Intersection of N Cincinnati Ave and E 30th St N	\$ 17,000.00
31032	Intersection of N Cincinnati Ave and E 31st St N	\$ 18,000.00
31033	Intersection of N Cincinnati Ave and E 35th St N (south)	\$ 19,000.00
31034	Intersection of N Cincinnati Ave and E 35th St N (north)	\$ 15,000.00
31035	Intersection of N Cincinnati Dr and N Cincinnati Ave	\$ 16,000.00
31036	Intersection of N Cincinnati Ave and E 44th St N	\$ 29,000.00
31037	Intersection of E 49th St N and N Cincinnati Ave	\$ 22,000.00
31038	Intersection of E 51st St N and N Cincinnati Ave East	\$ 17,000.00
31039	Intersection of N Cincinnati Ave and E 51st PI N	\$ 16,000.00
31040	Intersection of N Cincinnati Ave and E 52nd PI N	\$ 16,000.00
31041	Intersection of N Cincinnati Ave and E 54th St N	\$ 16,000.00
31042	Midblock crossing at N Cincinnati Ave (north of E 54th St N)	\$ 9,000.00
31043	Intersection of N Cincinnati Ave and E 55th St N	\$ 16,000.00
31044	Midblock Crossing at N Cincinnati Ave (south of E 56th St N)	\$ 11,000.00
31045	Intersection of E 56th St N and N Cincinnati Ave	\$ 28,000.00
32000	Intersection of N Frisco Ave and W Edison St	\$ 14,000.00
32001	Intersection of W Edison St and N Guthrie Ave	\$ 14,000.00
32002	Intersection of N Maybelle Ave and W Edison St	\$ 38,000.00
32003	Intersection of N Quannah Ave and W Edison St	\$ 19,000.00
32004	Intersection of N Rosedale Ave and W Edison St	\$ 16,000.00
32005	Intersection of W Edison St and N Santa Fe Ave	\$ 11,000.00
32006	Intersection of W Edison St and N Union Ave	\$ 17,000.00
32008	Intersection of W Edison St and N Union Pl	\$ 22,000.00
32009	Intersection of W Edison St and N Vancouver Ave	\$ 6,000.00
32010	Intersection of W Edison St and N Waco Ave	\$ 8,000.00
32011	Intersection of W Edison St and N Xenophon Ave	\$ 25,000.00
32013	Intersection of N 23rd West Ave and W Edison St	\$ 8,000.00
32014	Intersection of W Edison St and W Fairview St	\$ 16,000.00
32015	Intersection of N 27th West Ave and W Edison St	\$ 11,000.00
32016	Intersection of N 28th West Ave and W Edison St	\$ 26,000.00
32018	Intersection of W Edison St and N 29th West Ave (north)	\$ 18,000.00
32019	Intersection of W Edison St and N 29th West Ave (south)	\$ 18,000.00
32020	Intersection of W Edison St and N 31st West Ave	\$ 18,000.00
32021	Intersection of W Edison St and N 33rd West Ave	\$ 27,000.00
32022	Intersection of N 38th West Ave and W Edison St	\$ 8,000.00
32023	Intersection of W Edison St and N 39th West Ave (south)	\$ 14,000.00
32024	Intersection of W Edison St and N 41st West Ave (north)	\$ 16,000.00
32025	Intersection of W Edison St and N 41st West Ave (south)	\$ 14,000.00
32026	Intersection of W Edison St and N 42nd West Ave	\$ 8,000.00
32027	Intersection of W Edison St and N 43rd West Ave	\$ 8,000.00
32028	Intersection of W Edison St and N 44th West Ave	\$ 8,000.00
33000	Intersection of S Garnett Rd and E 60th Pl	\$ 17,000.00
33001	Intersection of S Garnett Rd and E 60th St	\$ 16,000.00
33002	Intersection of S Garnett Rd and E 58th St	\$ 13,000.00
33003	Intersection of S Garnett Rd and S 110th East Ave	\$ 16,000.00
33004	Intersection of S Garnett Rd and E 51st Pl	\$ 16,000.00
33005	Intersection of S Garnett Rd and Garden Ridge Entrance	\$ 9,000.00
33006	Intersection of S Garnett Rd and E 45th St	\$ 9,000.00
33007	Intersection of S Garnett Rd and E 43rd St	\$ 9,000.00
33008	Intersection of S Garnett Rd and E 39th St	\$ 18,000.00

GPS ID	Project Name	Cost Projection
33009	Intersection of S Garnett Rd and E 38th St	\$ 15,000.00
33010	Intersection of E 37th St and S Garnett Rd	\$ 17,000.00
33011	Intersection of S Garnett Rd and E 36th St	\$ 33,000.00
33012	Intersection of S Garnett Rd and E 34th St (west)	\$ 18,000.00
33013	Intersection of S Garnett Rd and E 34th St (east)	\$ 18,000.00
33014	Intersection of S Garnett Rd and E 27th St (west)	\$ 10,000.00
33015	Intersection of S Garnett Rd and E 27th St (east)	\$ 15,000.00
33016	Intersection of E 26th St and S Garnett Rd	\$ 15,000.00
33017	Intersection of S Garnett Rd and E 25th St	\$ 22,000.00
33018	Intersection of S Garnett Rd and E 23rd St (east)	\$ 17,000.00
33019	Intersection of S Garnett Rd and E 23rd St (west)	\$ 17,000.00
33020	Intersection of S Garnett Rd and E 22nd St	\$ 15,000.00
33021	Intersection of S Garnett Rd and E 20th St	\$ 11,000.00
33022	Intersection of S Garnett Rd and E 19th St	\$ 15,000.00
33023	Intersection of E 17th Pl and S Garnett Rd	\$ 18,000.00
33024	Intersection of S Garnett Rd and E 16th St	\$ 18,000.00
33025	Intersection of S Garnett Rd and E 15th St	\$ 17,000.00
33026	Intersection of S Garnett Rd and E 14th St	\$ 36,000.00
33027	Intersection of S Garnett Rd and I-44 EB Ramp	\$ 21,000.00
33028	Intersection of S Garnett Rd and I-44 WB Entrance Ramp	\$ 11,000.00
33029	Intersection of S Garnett Rd and E 7th St (west)	\$ 28,000.00
33030	Intersection of S Garnett Rd and E 7th St (east)	\$ 9,000.00
33034	Intersection of E 3rd St and S Garnett Rd	\$ 35,000.00
33035	Intersection of N Garnett Rd and E Archer St	\$ 15,000.00
33036	Intersection of E Brady St and N Garnett Rd	\$ 9,000.00
33037	Intersection of N Garnett Rd and I-244 EB Ramp	\$ 15,000.00
33038	Intersection of N Garnett Rd and I-244 WB Ramp	\$ 8,000.00
33045	Intersection of E 33rd St and S Garnett Rd	\$ 15,000.00
33046	Intersection of S Garnett Rd and E 32nd St	\$ 15,000.00
33047	Intersection of S Garnett Rd and E 29th St (east)	\$ 17,000.00
33048	Intersection of S Garnett Rd and E 29th St (west)	\$ 5,000.00
33049	Intersection of E 28th St and S Garnett Rd	\$ 15,000.00
33086	Intersection of S Lewis Ave and E 66th Pl	\$ 1,000.00
33089	Intersection of S Lewis Ave and E 67th St	\$ 15,000.00
34000	Intersection of S Harvard Ave and E 90th St	\$ 17,000.00
34001	Intersection of S Harvard Ave and 150' north of 90th St S	\$ 22,000.00
34002	Intersection of S Harvard Ave and E 88th St	\$ 15,000.00
34003	Intersection of S Harvard Ave and E 87th St	\$ 15,000.00
34004	Intersection of S Harvard Ave and E 70th St	\$ 10,000.00
34005	Intersection of S Harvard Ave and E 56th St	\$ 30,000.00
34006	Intersection of E 49th St and S Harvard Ave	\$ 11,000.00
34007	Intersection of S Harvard Ave and E 55th St (east)	\$ 16,000.00
34009	Intersection of S Harvard Ave and E 46th St	\$ 14,000.00
34010	Intersection of S Harvard Ave and E 39th St	\$ 15,000.00
34011	Intersection of S Harvard Ave and E 38th St (east)	\$ 15,000.00
34012	Intersection of S Harvard Ave and E 38th St (west)	\$ 9,000.00
34013	Intersection of S Harvard Ave and E 37th St	\$ 15,000.00
34014	Intersection of S Harvard Ave and E 35th St	\$ 17,000.00
34015	Intersection of S Harvard Ave and E 33rd St (east)	\$ 18,000.00
34016	Intersection of S Harvard Ave and E 33rd St (west)	\$ 15,000.00
34017	Intersection of S Harvard Ave and E 32nd Pl	\$ 18,000.00

GPS ID	Project Name	Cost Projection
34018	Intersection of S Harvard Ave and E 32nd St	\$ 15,000.00
34019	Intersection of S Harvard Ave and E 30th Pl	\$ 33,000.00
34020	Intersection of E 30th St and S Harvard Ave	\$ 33,000.00
34021	Intersection of E 29th St and S Harvard Ave	\$ 33,000.00
34022	Intersection of E 28th St and S Harvard Ave	\$ 34,000.00
34023	Intersection of E 27th Pl and S Harvard Ave	\$ 32,000.00
34024	Intersection of E 26th St and S Harvard Ave	\$ 14,000.00
34025	Intersection of S Harvard Ave and E 25th St	\$ 4,000.00
34026	Intersection of E 24th Pl and S Harvard Ave	\$ 9,000.00
34027	Intersection of S Harvard Ave and E 23rd St	\$ 15,000.00
34028	Intersection of S Harvard Ave and E 22nd St	\$ 18,000.00
34029	Intersection of S Harvard Ave and E 8th St (west)	\$ 5,000.00
34030	Intersection of S Harvard Ave and E 7th St	\$ 25,000.00
34031	Intersection of S Harvard Ave and E 6th St	\$ 5,000.00
34032	Intersection of S Harvard Ave and E 5th Pl	\$ 13,000.00
34033	Intersection of S Harvard Ave and E 4th Pl (west)	\$ 6,000.00
34034	Intersection of S Harvard Ave and E 4th Pl (east)	\$ 7,000.00
34035	Intersection of S Harvard Ave and E 3rd St S	\$ 15,000.00
34036	Intersection of E 2nd St and S Harvard Ave	\$ 13,000.00
34037	Intersection of N Harvard Ave and E Admiral Ct	\$ 33,000.00
34038	Intersection of E Archer St and N Harvard Ave	\$ 41,000.00
34039	Intersection of N Harvard Ave and E Easton St	\$ 35,000.00
34040	Intersection of E Haskell St and N Harvard Ave	\$ 35,000.00
34041	Intersection of N Harvard Ave and E Haskell Pl	\$ 18,000.00
34042	Intersection of N Harvard Ave and E Jasper St	\$ 18,000.00
34043	Intersection of N Harvard Ave and E King St	\$ 18,000.00
34044	Intersection of N Harvard Ave and E King Pl	\$ 18,000.00
34045	Intersection of E Latimer St and N Harvard Ave	\$ 35,000.00
34046	Intersection of N Harvard Ave and E Latimer Pl	\$ 18,000.00
34047	Intersection of N Harvard Ave and E Marshall St	\$ 14,000.00
34048	Intersection of N Harvard Ave and E Newton St	\$ 18,000.00
34049	Intersection of Dawson Rd and N Harvard Ave	\$ 33,000.00
34050	Intersection of E Queen St and N Harvard Ave	\$ 15,000.00
34051	Intersection of E Seminole St and N Harvard Ave	\$ 24,000.00
34052	Intersection of N Harvard Ave and E Tecumseh St	\$ 14,000.00
34053	Intersection of N Harvard Ave and E Ute St	\$ 16,000.00
34054	Intersection of N Harvard Ave and E Virgin St (east)	\$ 18,000.00
34055	Intersection of N Harvard Ave and E Virgin St (west)	\$ 18,000.00
34056	Intersection of N Harvard Ave and E Woodrow St	\$ 11,000.00
34057	Intersection of N Harvard Ave and E Woodrow Pl (west)	\$ 11,000.00
34058	Intersection of N Harvard Ave and E Woodrow Pl (east)	\$ 18,000.00
34059	Intersection of N Harvard Ave and E Xyler St (west)	\$ 18,000.00
34060	Intersection of N Harvard Ave and E Xyler St (east)	\$ 10,000.00
34061	Intersection of E Young St and N Harvard Ave	\$ 18,000.00
34062	Intersection of E 29th St N and N Harvard Ave	\$ 29,000.00
34063	Intersection of N Harvard Ave and E 30th St N	\$ 17,000.00
34064	Intersection of N Harvard Ave and Gilcrease Expy EB Ramp	\$ 36,000.00
34065	Intersection of N Harvard Ave and Gilcrease Expy WB Ramp	\$ 30,000.00
34066	Intersection of N Harvard Ave and E 32nd Pl N	\$ 8,000.00
34067	Intersection of E 34th St N and N Harvard Ave	\$ 6,000.00
35000	Intersection of S Mingo Rd and US 169 EB Exit Ramp	\$ 16,000.00

GPS ID	Project Name	Cost Projection
35001	Intersection of S Mingo Rd and E 95th Ct	\$ 15,000.00
35002	Intersection of S Mingo Rd and E 93rd St	\$ 31,000.00
35003	Intersection of S Mingo Rd and E 88th St	\$ 8,000.00
35004	Intersection of S Mingo Rd and E 78th St	\$ 14,000.00
35005	Intersection of S Mingo Rd and E 65th St	\$ 14,000.00
35006	Intersection of S Mingo Rd and E 63rd St	\$ 15,000.00
35007	Intersection of S Mingo Rd and E 62nd St	\$ 14,000.00
35008	Intersection of S Mingo Rd and E 59th St	\$ 14,000.00
35009	Intersection of S Mingo Rd and E 58th St (east)	\$ 15,000.00
35010	Intersection of S Mingo Rd and E 58th St (west)	\$ 15,000.00
35011	Intersection of S Mingo Rd and E 56th St	\$ 14,000.00
35012	Intersection of S Mingo Rd and E 55th St	\$ 15,000.00
35013	Intersection of S Mingo Rd and E 54th St (east)	\$ 9,000.00
35014	Intersection of S Mingo Rd and E 54th St (west)	\$ 12,000.00
35015	Intersection of S Mingo Rd and E 48th Pl	\$ 18,000.00
35016	Intersection of S Mingo Rd and E 46th Pl	\$ 11,000.00
35017	Intersection of S 101st East Ave and E 25th St (west)	\$ 14,000.00
35018	Intersection of S 101st East Ave and E 25th St (east)	\$ 15,000.00
35019	Intersection of E 24th St and S 101st East Ave	\$ 14,000.00
35020	Intersection of S 101st East Ave and E 23rd Pl	\$ 16,000.00
35021	Intersection of S 101st East Ave and E 23rd St	\$ 18,000.00
35022	Intersection of S 101st East Ave and E 22nd Pl (west)	\$ 14,000.00
35023	Intersection of S 101st East Ave and E 22nd St	\$ 18,000.00
35024	Intersection of S 101st East Ave and E 21st Pl (west)	\$ 14,000.00
35025	Intersection of S 101st East Ave and E 21st Pl (east)	\$ 18,000.00
35026	Intersection of S Mingo Rd and E 45th Pl	\$ 11,000.00
35027	Intersection of S Mingo Rd and E 44th Pl	\$ 11,000.00
35028	Intersection of S Mingo Rd and E 42nd St	\$ 15,000.00
35030	Midblock Crossing at S Mingo Rd (north of E 34th St)	\$ 7,000.00
35033	Intersection of S 95th East Ave and S Mingo Rd	\$ 16,000.00
35034	Intersection of S Mingo Rd and S 96th East Ave	\$ 15,000.00
35035	Intersection of S Mingo Rd and E 29th St	\$ 18,000.00
35036	Intersection of S Mingo Rd and E 28th St (west)	\$ 17,000.00
35037	Intersection of S Mingo Rd and E 28th St (east)	\$ 18,000.00
35038	Intersection of S Mingo Rd and E 27th St	\$ 17,000.00
35039	Intersection of S Mingo Rd and S 101st East Ave	\$ 18,000.00
35040	Intersection of S 101st East Ave and E 26th St (east)	\$ 15,000.00
35041	Intersection of S 101st East Ave and E 26th St (west)	\$ 14,000.00
36000	Intersection of S Peoria Ave and E 68th St	\$ 8,000.00
36001	Intersection of S Peoria Ave and E 67th St	\$ 8,000.00
36002	Intersection of S Peoria Ave and E 66th Pl	\$ 16,000.00
36003	Intersection of S Peoria Ave and E 64th St (east)	\$ 14,000.00
36004	Intersection of S Peoria Ave and E 64th St (west)	\$ 15,000.00
36005	Intersection of S Peoria Ave and E 62nd3rd St	\$ 8,000.00
36006	Intersection of S Peoria Ave and E 62nd St	\$ 12,000.00
36007	Intersection of S Peoria Ave and E 60th St	\$ 17,000.00
36008	Intersection of S Peoria Ave and E 58th St	\$ 21,000.00
36009	Intersection of S Peoria Ave and E 57th Pl	\$ 16,000.00
36010	Intersection of S Peoria Ave and E 55th Pl	\$ 1,000.00
36011	Intersection of E 55th St and S Peoria Ave	\$ 23,000.00
36012	Intersection of S Peoria Ave and E 49th Pl	\$ 29,000.00

GPS ID	Project Name	Cost Projection
36013	Intersection of S Peoria Ave and E 49th St	\$ 34,000.00
36014	Intersection of S Peoria Ave and E 48th St (west)	\$ 17,000.00
36015	Intersection of S Peoria Ave and E 48th St (east)	\$ 12,000.00
36016	Intersection of S Peoria Ave and E 46th St	\$ 18,000.00
36017	Intersection of S Peoria Ave and E 45th Pl (east)	\$ 16,000.00
36018	Intersection of S Peoria Ave and E 44th Pl	\$ 17,000.00
36019	Intersection of S Peoria Ave and E 43rd Ct	\$ 16,000.00
36020	Intersection of S Peoria Ave and E 42nd Pl	\$ 18,000.00
36021	Intersection of E 42nd St and S Peoria Ave	\$ 24,000.00
36022	Intersection of S Peoria Ave and E 41st Pl	\$ 17,000.00
36023	Intersection of S Peoria Ave and E 39th St	\$ 27,000.00
36024	Intersection of S Peoria Ave and E 38th Pl	\$ 15,000.00
36025	Intersection of E 38th St and S Peoria Ave	\$ 28,000.00
36026	Intersection of E 37th Pl and S Peoria Ave	\$ 21,000.00
36027	Intersection of E 37th St and S Peoria Ave	\$ 8,000.00
36028	Intersection of E 36th Pl and S Peoria Ave	\$ 28,000.00
36029	Intersection of S Peoria Ave and E 35th Pl	\$ 26,000.00
36030	Intersection of S Peoria Ave and E 34th St (west)	\$ 2,000.00
36031	Intersection of S Peoria Ave and E 34th St (east)	\$ 6,000.00
36032	Intersection of E 33rd St and S Peoria Ave	\$ 18,000.00
36033	Intersection of E 32nd St and S Peoria Ave	\$ 18,000.00
36034	Intersection of S Peoria Ave and E 31st Pl	\$ 15,000.00
36035	Intersection of S Peoria Ave and E 31st Ct	\$ 15,000.00
36036	Intersection of E 30th Pl and S Peoria Ave	\$ 15,000.00
36037	Intersection of S Peoria Ave and E 30th St	\$ 28,000.00
36038	Intersection of E 29th Pl and S Peoria Ave	\$ 8,000.00
36039	Intersection of S Peoria Ave and E 29th St (east)	\$ 17,000.00
36040	Intersection of S Peoria Ave and E 29th St (west)	\$ 8,000.00
36041	Intersection of S Peoria Ave and E 28th St	\$ 8,000.00
36042	Intersection of S Peoria Ave and E 27th Pl	\$ 17,000.00
36043	Intersection of S Peoria Ave and E 27th St (west)	\$ 8,000.00
36044	Intersection of S Peoria Ave and E 27th St (east)	\$ 17,000.00
36045	Intersection of Hazel Blvd and S Peoria Ave	\$ 8,000.00
36046	Intersection of E 26th Pl and S Peoria Ave	\$ 9,000.00
36047	Intersection of S Peoria Ave and E 26th St (west)	\$ 8,000.00
36048	Intersection of S Peoria Ave and E 26th St (east)	\$ 10,000.00
36049	Intersection of S Peoria Ave and E 25th St (west)	\$ 8,000.00
36050	Intersection of S Peoria Ave and E 25th St (east)	\$ 16,000.00
36051	Intersection of S Peoria Ave and E 24th Pl	\$ 8,000.00
36052	Intersection of S Peoria Ave and E 24th St	\$ 8,000.00
36053	Intersection of E 21st Pl and S Peoria Ave	\$ 19,000.00
36054	Intersection of S Peoria Ave and E 2nd St	\$ 25,000.00
36055	Intersection of S Peoria Ave and E 1st St	\$ 31,000.00
36056	Intersection of N Peoria Ave and E Admiral Pl	\$ 10,000.00
36057	Intersection of N Peoria Ave and E Easton St (east)	\$ 10,000.00
36058	Intersection of N Peoria Ave and E Easton St (west)	\$ 10,000.00
36059	Intersection of E Haskell St and N Peoria Ave	\$ 24,000.00
36060	Intersection of N Peoria Ave and E Haskell Pl	\$ 17,000.00
36061	Intersection of N Peoria Ave and E Independence St (east)	\$ 16,000.00
36062	Intersection of N Peoria Ave and E Independence St (west)	\$ 15,000.00
36063	Intersection of N Peoria Ave and E Jasper St	\$ 11,000.00

GPS ID	Project Name	Cost Projection
36064	Intersection of N Peoria Ave and E King St	\$ 17,000.00
36065	Intersection of N Peoria Ave and E King Pl	\$ 15,000.00
36066	Intersection of N Peoria Ave and E Latimer St	\$ 18,000.00
36067	Intersection of N Peoria Ave and US 75 NB Exit Ramp	\$ 13,000.00
36068	Intersection of N Peoria Ave and US 75 SB Entrance Ramp	\$ 8,000.00
36069	Intersection of E Pine Pl and N Peoria Ave	\$ 5,000.00
36070	Intersection of E Queen St and N Peoria Ave	\$ 9,000.00
36071	Intersection of N Peoria Ave and E Reading St	\$ 8,000.00
36072	Intersection of E Seminole Pl and N Peoria Ave	\$ 16,000.00
36073	Intersection of N Peoria Ave and E Ute St	\$ 8,000.00
36074	Intersection of N Peoria Ave and E Woodrow Pl	\$ 8,000.00
36075	Intersection of N Peoria Ave and E Xyler St	\$ 8,000.00
36076	Intersection of N Peoria Ave and E Young St	\$ 23,000.00
36077	Intersection of E Zion St and N Peoria Ave	\$ 9,000.00
36078	Intersection of N Peoria Ave and E 26th Pl N (west)	\$ 15,000.00
36079	Intersection of E 27th St N and N Peoria Ave	\$ 22,000.00
36080	Intersection of N Peoria Ave and Mohawk Blvd (west)	\$ 17,000.00
36081	Intersection of N Peoria Ave and Mohawk Blvd (east)	\$ 9,000.00
36082	Intersection of N Peoria Ave and E 32nd St N	\$ 14,000.00
36083	Intersection of N Peoria Ave and E 33rd St N	\$ 16,000.00
36084	Intersection of N Peoria Ave and E 38th St N	\$ 11,000.00
36085	Intersection of N Peoria Ave and E 47th Pl N	\$ 13,000.00
36086	Intersection of E 48th St N and N Peoria Ave	\$ 9,000.00
36087	Intersection of E 49th St N and N Peoria Ave	\$ 10,000.00
36088	Intersection of E 50th St N and N Peoria Ave	\$ 9,000.00
36089	Intersection of E 50th Pl N and N Peoria Ave	\$ 6,000.00
36090	Intersection of E 51st St N and N Peoria Ave	\$ 8,000.00
36091	Intersection of N Peoria Ave and E 52nd St N (east)	\$ 8,000.00
36092	Intersection of N Peoria Ave and E 54th St N	\$ 16,000.00
37000	Intersection of W Pine St and N Union Ave	\$ 25,000.00
37001	Intersection of N Tacoma Ave and W Pine St	\$ 12,000.00
37002	Intersection of N Santa Fe Ave and W Pine St	\$ 11,000.00
37003	Intersection of W Pine St and N Rosedale Ave	\$ 17,000.00
37004	Intersection of N Quannah Ave and W Pine St	\$ 11,000.00
37005	Intersection of W Pine St and N Phoenix Ave	\$ 19,000.00
37006	Intersection of N Olympia Ave and W Pine St	\$ 19,000.00
37007	Intersection of N Nogales Ave and W Pine St	\$ 17,000.00
37008	Intersection of W Pine St and L.L. Tisdale SB Ramp	\$ 51,000.00
37009	Intersection of W Pine St and L.L. Tisdale NB Ramp	\$ 24,000.00
37010	Intersection of N Denver Ave and W Pine St	\$ 33,000.00
37011	Intersection of N Cheyenne Ave and W Pine St	\$ 35,000.00
37012	Intersection of N Main St and W Pine St	\$ 26,000.00
37013	Intersection of N Boston Ave and E Pine St	\$ 15,000.00
37014	Intersection of N Boston Pl and E Pine St	\$ 20,000.00
37027	Intersection of N St Louis Ave and E Pine St	\$ 10,000.00
37028	Intersection of N Troost Ave and E Pine St	\$ 11,000.00
37029	Intersection of E Pine St and N Wheeling Ave (north)	\$ 18,000.00
37030	Intersection of E Pine St and N Wheeling Ave (south)	\$ 11,000.00
37031	Intersection of E Pine St and N Xanthus Ave	\$ 11,000.00
37032	Intersection of N Yorktown Ave and E Pine St	\$ 26,000.00
37033	Intersection of E Pine St and E Queen Pl	\$ 11,000.00

GPS ID	Project Name	Cost Projection
37034	Intersection of E Pine St and N Lewis Pl	\$ 30,000.00
37036	Intersection of E Pine St and N Atlanta Ave (north)	\$ 18,000.00
37037	Intersection of E Pine St and N Atlanta Ave (south)	\$ 18,000.00
37038	Intersection of E Pine St and N Atlanta Pl	\$ 17,000.00
37039	Intersection of E Pine St and N Atlanta Ct	\$ 33,000.00
37040	Intersection of E Pine St and N Birmingham Ave	\$ 17,000.00
37041	Intersection of N Birmingham Pl and E Pine St	\$ 36,000.00
37042	Intersection of E Pine St and N Columbia Ave	\$ 35,000.00
37043	Intersection of E Pine St and N Columbia Pl	\$ 18,000.00
37044	Intersection of E Pine St and N Delaware Ave	\$ 34,000.00
37045	Intersection of N Delaware Pl and E Pine St	\$ 37,000.00
37046	Intersection of N Evanston Ave and E Pine St	\$ 35,000.00
37047	Intersection of N Evanston Pl and E Pine St	\$ 32,000.00
37048	Intersection of N College Ave and E Pine St	\$ 44,000.00
37049	Intersection of E Pine St and N Florence Ave	\$ 18,000.00
37050	Intersection of E Pine St and N Florence Pl	\$ 16,000.00
37051	Intersection of N Gary Ave and E Pine St	\$ 16,000.00
37052	Intersection of N Gary Pl and E Pine St	\$ 14,000.00
37053	Intersection of E Pine St and N Indianapolis Ave	\$ 23,000.00
37054	Intersection of N Knoxville Ave and E Pine St	\$ 29,000.00
37055	Intersection of E Pine St and N Louisville Ave	\$ 16,000.00
37056	Intersection of E Pine St and N Marion Ave	\$ 16,000.00
37057	Intersection of N Oswego Ave and E Pine St	\$ 16,000.00
37058	Intersection of Dawson Rd and E Pine St	\$ 16,000.00
37059	Intersection of N Irvington Ave and E Pine St	\$ 30,000.00
37060	Intersection of E Pine St and N Joplin Ave	\$ 32,000.00
37061	Intersection of N Kingston Ave and E Pine St	\$ 32,000.00
37062	Intersection of N Kingston Pl and E Pine St	\$ 40,000.00
37063	Intersection of E Pine St and N Maplewood Ave	\$ 14,000.00
37064	Intersection of E Pine St and N Norwood Ave	\$ 16,000.00
37065	Intersection of E Pine St and N Oxford Ave	\$ 17,000.00
37066	Intersection of E Pine St and N 105th East Ave	\$ 30,000.00
38000	Intersection of S Trenton Ave and Riverside Pkwy	\$ 12,000.00
38001	Intersection of Riverside Dr and E 67th St	\$ 8,000.00
38002	Intersection of E 66th Pl and Riverside Dr	\$ 8,000.00
38003	Intersection of W 21st St and Riverside Dr	\$ 29,000.00
38004	Intersection of Riverside Dr and W 19th St	\$ 13,000.00
38005	Intersection of Riverside Dr and W 15th St	\$ 9,000.00
38006	Intersection of Riverside Dr and S Houston Ave	\$ 18,000.00
38007	Intersection of S Indian Ave and Riverside Dr	\$ 8,000.00
38008	Intersection of Southwest Blvd and Riverside Dr	\$ 12,000.00
39000	Intersection of S Sheridan Rd and E 79th St	\$ 12,000.00
39001	Intersection of E 79th St and S Sheridan Rd	\$ 20,000.00
39002	Intersection of S Sheridan Rd and E 78th St	\$ 17,000.00
39003	Intersection of S Sheridan Rd and E 77th St	\$ 15,000.00
39004	Intersection of S Sheridan Rd and E 76th St	\$ 10,000.00
39005	Intersection of E 75th St and S Sheridan Rd	\$ 9,000.00
39006	Intersection of S Sheridan Rd and E 74th St	\$ 10,000.00
39007	Intersection of S Sheridan Rd and E 73rd St	\$ 9,000.00
39008	Intersection of E 72nd St and S Sheridan Rd	\$ 17,000.00
39009	Intersection of S Sheridan Rd and E 69th St	\$ 9,000.00

GPS ID	Project Name	Cost Projection
39010	Intersection of S Sheridan Rd and E 67th Pl (west)	\$ 11,000.00
39011	Intersection of S Sheridan Rd and E 67th St (east)	\$ 17,000.00
39012	Intersection of S Sheridan Rd and E 66th St	\$ 15,000.00
39013	Intersection of S Sheridan Rd and E 65th St	\$ 16,000.00
39014	Intersection of S Sheridan Rd and E 62nd St	\$ 18,000.00
39015	Intersection of S Sheridan Rd and E 60th St (east)	\$ 16,000.00
39016	Intersection of S Sheridan Rd and E 60th St (west)	\$ 10,000.00
39017	Intersection of S Sheridan Rd and E 58th St	\$ 35,000.00
39018	Intersection of E 56th St and S Sheridan Rd	\$ 18,000.00
39019	Intersection of S Sheridan Rd and E 55th St	\$ 10,000.00
39020	Intersection of S Sheridan Rd and E 53rd St	\$ 6,000.00
39021	Intersection of S Sheridan Rd and E 51st Pl	\$ 9,000.00
39022	Intersection of S Sheridan Rd and E 50th St	\$ 9,000.00
39023	Intersection of S Sheridan Rd and E 48th St (west)	\$ 8,000.00
39024	Intersection of S Sheridan Rd and E 48th St (east)	\$ 15,000.00
39025	Intersection of S Sheridan Rd and E 47th St	\$ 9,000.00
39026	Intersection of E 46th St and S Sheridan Rd	\$ 18,000.00
39027	Intersection of S Sheridan Rd and E 44th St	\$ 9,000.00
39028	Intersection of S Sheridan Rd and E 42nd St	\$ 9,000.00
39029	Intersection of S Sheridan Rd and E 40th St	\$ 18,000.00
39030	Intersection of S Sheridan Rd and E 38th St	\$ 17,000.00
39031	Intersection of S Sheridan Rd and E 36th St	\$ 9,000.00
39032	Intersection of S Sheridan Rd and E 32nd St	\$ 11,000.00
39033	Intersection of S Sheridan Rd and E 30th St	\$ 8,000.00
39034	Intersection of E 28th St and S Sheridan Rd (west)	\$ 11,000.00
39035	Intersection of E 28th St and S Sheridan Rd (east)	\$ 15,000.00
39037	Intersection of E 27th St and S Sheridan Rd	\$ 16,000.00
39039	Intersection of S Sheridan Rd and E 26th Ct	\$ 16,000.00
39040	Intersection of E 25th Pl and S Sheridan Rd	\$ 11,000.00
39041	Intersection of S Sheridan Rd and E 25th Pl (east)	\$ 10,000.00
39042	Intersection of S Sheridan Rd and E 24th Pl (west)	\$ 11,000.00
39043	Intersection of S Sheridan Rd and E 24th St	\$ 9,000.00
39044	Intersection of S Sheridan Rd and E 23rd St	\$ 18,000.00
39045	Intersection of S Sheridan Rd and E 21st Pl	\$ 16,000.00
39046	Intersection of S Sheridan Rd and E 19th St	\$ 9,000.00
39047	Intersection of S Sheridan Rd and E 17th St	\$ 8,000.00
39048	Intersection of S Sheridan Rd and E 14th St	\$ 8,000.00
39049	Intersection of S Sheridan Rd and E 13th St	\$ 11,000.00
39050	Intersection of E 12th St and S Sheridan Rd	\$ 17,000.00
39051	Intersection of S Sheridan Rd and E 10th St	\$ 15,000.00
39052	Intersection of E 9th St and S Sheridan Rd	\$ 19,000.00
39053	Intersection of S Sheridan Rd and E 8th St	\$ 11,000.00
39054	Intersection of S Sheridan Rd and E 7th St (west)	\$ 10,000.00
39055	Intersection of S Sheridan Rd and E 7th St (east)	\$ 11,000.00
39056	Intersection of S Sheridan Rd and E 6th St/E 5th Pl	\$ 21,000.00
39058	Intersection of S Sheridan Rd and E 5th St (west)	\$ 11,000.00
39059	Intersection of E 4th Ter and S Sheridan Rd	\$ 10,000.00
39060	Intersection of S Sheridan Rd and E 4th St (west)	\$ 17,000.00
39061	Intersection of S Sheridan Rd and E 4th St (east)	\$ 11,000.00
39062	Intersection of E 3rd St and S Sheridan Rd	\$ 11,000.00
39063	Intersection of S Sheridan Rd and E 2nd St	\$ 18,000.00

GPS ID	Project Name	Cost Projection
39064	Intersection of E Admiral Blvd and S Sheridan Rd	\$ 11,000.00
39065	Intersection of N Sheridan Rd and E Archer St	\$ 28,000.00
39066	Intersection of N Sheridan Rd and E Haskell Pl	\$ 11,000.00
39067	Intersection of N Sheridan Rd and E Independence St (west)	\$ 15,000.00
39068	Intersection of N Sheridan Rd and E King St (west)	\$ 17,000.00
39069	Intersection of E King Pl and N Sheridan Rd	\$ 18,000.00
39070	Intersection of E Latimer St and N Sheridan Rd	\$ 10,000.00
39071	Intersection of N Sheridan Rd and E Latimer Pl (west)	\$ 13,000.00
39072	Intersection of N Sheridan Rd and E Latimer Pl (east)	\$ 11,000.00
39073	Intersection of E Marshall St and N Sheridan Rd	\$ 16,000.00
39074	Intersection of E Marshall Pl and N Sheridan Rd	\$ 12,000.00
39075	Intersection of N Sheridan Rd and E Newton St	\$ 11,000.00
39076	Intersection of N Sheridan Rd and E Newton Pl (east)	\$ 9,000.00
39077	Intersection of N Sheridan Rd and E Newton Pl (west)	\$ 11,000.00
39078	Intersection of N Sheridan Rd and E Oklahoma St	\$ 20,000.00
39079	Intersection of E Oklahoma Pl and N Sheridan Rd	\$ 15,000.00
39080	Intersection of N Sheridan Rd and E Pine Pl	\$ 34,000.00
39081	Intersection of N Sheridan Rd and E Queen St	\$ 34,000.00
39082	Intersection of N Sheridan Rd and E Reading St	\$ 31,000.00
39083	Intersection of N Sheridan Rd and E Tecumseh St	\$ 7,000.00
39084	Intersection of N Sheridan Rd and E Young St / SH 11 EB Entrance Ramp	\$ 22,000.00
39085	Intersection of N Sheridan Rd and SH 11 WB Ramp	\$ 19,000.00
40000	Intersection of Southwest Blvd and S Yukon Ave	\$ 15,000.00
40001	Intersection of Southwest Blvd and S Xenophon Ave	\$ 14,000.00
40002	Intersection of Southwest Blvd and S Union Pl	\$ 14,000.00
40003	Intersection of Southwest Blvd and W 35th St	\$ 14,000.00
40004	Intersection of W 24th Pl and Southwest Blvd	\$ 16,000.00
40006	Intersection of Southwest Blvd and W 22nd Pl	\$ 8,000.00
40007	Intersection of Southwest Blvd and W 22nd St	\$ 10,000.00
40008	Intersection of Southwest Blvd and W 21st St	\$ 36,000.00
40009	Intersection of Southwest Blvd and W 20th St	\$ 1,000.00
40010	Intersection of Southwest Blvd and W 19th St	\$ 9,000.00
40011	Intersection of Southwest Blvd and W 18th St	\$ 9,000.00
40013	Intersection of Southwest Blvd and W 12th St	\$ 10,000.00
41000	Intersection of S Yale Ave and E 97th St	\$ 8,000.00
41001	Intersection of S Yale Ave and E 94th St	\$ 5,000.00
41002	Intersection of S Yale Ave and E 93rd Ct	\$ 12,000.00
41003	Intersection of S Yale Ave and E 92nd St	\$ 17,000.00
41004	Intersection of S Yale Ave and E 89th St	\$ 24,000.00
41005	Intersection of E 80th St and S Yale Ave	\$ 7,000.00
41006	Intersection of S Yale Ave and E 14th St	\$ 17,000.00
41007	Intersection of S Yale Ave and E 77th St	\$ 16,000.00
41008	Intersection of E 76th St and S Yale Ave	\$ 17,000.00
41010	Intersection of S Yale Ave and E 75th St	\$ 17,000.00
41011	Intersection of S Yale Ave and E 74th St	\$ 20,000.00
41012	Intersection of S Yale Ave and E 73rd St	\$ 9,000.00
41013	Intersection of S Yale Ave and E 71st Pl	\$ 9,000.00
41014	Intersection of S Yale Ave and S Zurich Ave	\$ 22,000.00
41015	Intersection of S Yale Ave and E 68th St (east)	\$ 18,000.00
41016	Intersection of S Yale Ave and E 67th St	\$ 29,000.00
41017	Intersection of S Yale Ave and E 59th St	\$ 15,000.00

GPS ID	Project Name	Cost Projection
41018	Intersection of E 58th St and S Yale Ave	\$ 8,000.00
41019	Intersection of S Yale Ave and E 57th Pl	\$ 8,000.00
41020	Intersection of S Yale Ave and E 57th St	\$ 8,000.00
41021	Intersection of S Yale Ave and E 54th St	\$ 15,000.00
41023	Intersection of S Yale Ave and E 49th St	\$ 18,000.00
41027	Intersection of S Yale Ave and E 40th St	\$ 17,000.00
41028	Intersection of S Yale Ave and E 38th Pl (west)	\$ 10,000.00
41029	Intersection of S Yale Ave and E 38th Pl (east)	\$ 8,000.00
41030	Intersection of S Yale Ave and E 37th Pl (west)	\$ 9,000.00
41031	Intersection of S Yale Ave and E 37th Pl (east)	\$ 8,000.00
41032	Intersection of S Yale Ave and E 37th St	\$ 18,000.00
41033	Intersection of S Yale Ave and E 35th Ct	\$ 8,000.00
41034	Intersection of S Yale Ave and E 35th St	\$ 17,000.00
41035	Intersection of S Yale Ave and E 34th St	\$ 17,000.00
41036	Intersection of S Yale Ave and E 33rd St (east)	\$ 8,000.00
41037	Intersection of S Yale Ave and E 33rd St (west)	\$ 17,000.00
41038	Intersection of S Yale Ave and E 32nd St (west)	\$ 10,000.00
41039	Intersection of S Yale Ave and E 23rd St (east)	\$ 16,000.00
41040	Intersection of S Yale Ave and E 21st Pl	\$ 14,000.00
41044	Intersection of E 9th St and S Yale Ave	\$ 31,000.00
41045	Intersection of E 8th St and S Yale Ave	\$ 15,000.00
41046	Intersection of S Yale Ave and E 7th St	\$ 31,000.00
41047	Intersection of E 6th St and S Yale Ave	\$ 14,000.00
41048	Intersection of E 5th Pl and S Yale Ave	\$ 29,000.00
41049	Intersection of E 5th St and S Yale Ave	\$ 14,000.00
41050	Intersection of S Yale Ave and E 4th St	\$ 34,000.00
41051	Intersection of S Yale Ave and E 3rd St	\$ 32,000.00
41052	Intersection of S Yale Ave and E 2nd St	\$ 30,000.00
41053	Intersection of N Yale Ave and E Archer St	\$ 13,000.00
41054	Intersection of N Yale Ave and E Easton St	\$ 9,000.00
41055	Intersection of N Yale Ave and E Haskell St	\$ 17,000.00
41056	Intersection of N Yale Ave and E Haskell Pl	\$ 9,000.00
41057	Intersection of N Yale Ave and E Independence St	\$ 8,000.00
41059	Intersection of N Yale Ave and E Latimer St	\$ 19,000.00
41060	Intersection of E Latimer Pl and N Yale Ave	\$ 4,000.00
41061	Intersection of E Marshall St and N Yale Ave	\$ 18,000.00
41062	Intersection of N Yale Ave and E Newton St	\$ 16,000.00
41063	Intersection of N Yale Ave and E Oklahoma St	\$ 19,000.00
41064	Intersection of N Yale Ave and E Oklahoma Pl	\$ 10,000.00
41065	Intersection of Dawson Rd and N Yale Ave	\$ 15,000.00
41066	Intersection of N Yale Ave and E Young Ct	\$ 8,000.00
41067	Intersection of N Yale Ave and Gilcrease Expy EB Ramp	\$ 39,000.00
41068	Intersection of N Yale Ave and Gilcrease Expy WB Ramp	\$ 32,000.00
42000	Intersection of S Union Ave and W 63rd St	\$ 14,000.00
42001	Intersection of S Union Ave and W 62nd St	\$ 14,000.00
42003	Intersection of S Union Ave and W 49th St	\$ 18,000.00
43000	Intersection of N Lewis Ave and E 51st St N	\$ 30,000.00
43001	Intersection of E 50th St N and N Lewis Ave	\$ 18,000.00
43002	Intersection of N Lewis Ave and E 49th St N	\$ 14,000.00
43003	Intersection of E 48th St N and N Lewis Ave	\$ 16,000.00
43004	Intersection of N Lewis Ave and E 47th Pl N	\$ 8,000.00

GPS ID	Project Name	Cost Projection
43005	Intersection of Mohawk Blvd and N Lewis Ave	\$ 21,000.00
43006	Intersection of E 32nd St N and N Lewis Ave	\$ 30,000.00
43007	Intersection of N Lewis Ave and Gilcrease Expy WB Ramp	\$ 17,000.00
43008	Intersection of N Lewis Ave and E 30th St N	\$ 30,000.00
43009	Intersection of E 29th Pl N and N Lewis Ave	\$ 36,000.00
43010	Intersection of E 29th St N and N Lewis Ave	\$ 30,000.00
43011	Intersection of N Lewis Ave and E 28th St N	\$ 28,000.00
43012	Intersection of N Lewis Ave and E 27th St N	\$ 14,000.00
43013	Intersection of N Lewis Ave and E 26th Pl N	\$ 14,000.00
43014	Intersection of N Lewis Ave and E Woodrow St	\$ 18,000.00
43015	Intersection of N Lewis Ave and E Virgin St	\$ 18,000.00
43016	Intersection of E Ute St and N Lewis Ave	\$ 34,000.00
43017	Intersection of N Lewis Ave and E Seminole St	\$ 16,000.00
43018	Intersection of N Lewis Ave and E Reading St (west)	\$ 17,000.00
43019	Intersection of N Lewis Ave and E Reading St (east)	\$ 18,000.00
43020	Intersection of N Lewis Ave and E Queen St	\$ 18,000.00
43021	Intersection of E Oklahoma Pl and N Lewis Ave	\$ 16,000.00
43022	Intersection of N Lewis Ave and E Newton Pl	\$ 9,000.00
43023	Intersection of N Lewis Ave and E Newton St	\$ 26,000.00
43024	Intersection of N Lewis Ave and E Marshall St	\$ 11,000.00
43026	Intersection of E Haskell Pl and N Lewis Ave	\$ 18,000.00
43027	Intersection of N Lewis Ave and E Haskell St (east)	\$ 11,000.00
43028	Intersection of N Lewis Ave and E Haskell St (west)	\$ 18,000.00
43029	Intersection of E Archer St and N Lewis Ave	\$ 18,000.00
43030	Intersection of E 2nd St and S Lewis Ave	\$ 20,000.00
43031	Intersection of S Lewis Ave and E 4th St	\$ 7,000.00
43032	Intersection of S Lewis Ave and E 4th Pl	\$ 18,000.00
43033	Intersection of S Lewis Ave and E 5th St	\$ 18,000.00
43034	Intersection of S Lewis Ave and E 5th Pl	\$ 34,000.00
43035	Intersection of S Lewis Ave and E 7th St	\$ 27,000.00
43036	Intersection of E 8th St and S Lewis Ave	\$ 25,000.00
43037	Intersection of E 10th St and S Lewis Ave	\$ 20,000.00
43038	Intersection of S Lewis Ave and E 12th St	\$ 19,000.00
43039	Intersection of S Lewis Ave and E 12th Pl	\$ 15,000.00
43040	Intersection of S Lewis Ave and E 13th St	\$ 19,000.00
43041	Intersection of E 13th Pl and S Lewis Ave	\$ 36,000.00
43042	Intersection of S Lewis Ave and E 16th St	\$ 18,000.00
43043	Intersection of E 17th Pl and S Lewis Ave	\$ 34,000.00
43044	Intersection of S Lewis Ave and E 18th St	\$ 29,000.00
43045	Intersection of S Lewis Ave and E 19th St	\$ 37,000.00
43046	Intersection of S Lewis Ave and E 20th St	\$ 34,000.00
43047	Intersection of E 22nd St and S Lewis Ave	\$ 23,000.00
43048	Intersection of E 22nd Pl and S Lewis Ave	\$ 30,000.00
43049	Intersection of S Lewis Ave and E 23rd St	\$ 29,000.00
43050	Intersection of E 24th St and S Lewis Ave	\$ 32,000.00
43052	Intersection of E 25th Pl and S Lewis Ave	\$ 28,000.00
43054	Intersection of E 26th Pl and S Lewis Ave	\$ 25,000.00
43055	Intersection of E 27th St and S Lewis Ave	\$ 5,000.00
43056	Intersection of S Lewis Ave and E 27th Pl	\$ 7,000.00
43057	Intersection of Forest Blvd / E 28th St and S Lewis Ave	\$ 15,000.00
43058	Intersection of S Lewis Ave and E 29th St	\$ 11,000.00

GPS ID	Project Name	Cost Projection
43059	Intersection of E 30th St and S Lewis Ave	\$ 9,000.00
43060	Intersection of E 31st Pl and S Lewis Ave	\$ 8,000.00
43061	Intersection of S Lewis Ave and E 32nd St (west)	\$ 8,000.00
43062	Intersection of S Lewis Ave and E 32nd St (east)	\$ 7,000.00
43063	Intersection of E 32nd Pl and S Lewis Ave	\$ 8,000.00
43064	Intersection of S Lewis Ave and E 33rd St (east)	\$ 7,000.00
43065	Intersection of S Lewis Ave and E 33rd St (west)	\$ 8,000.00
43066	Intersection of E 34th St and S Lewis Ave	\$ 11,000.00
43067	Intersection of S Lewis Ave and E 35th St	\$ 8,000.00
43068	Intersection of S Lewis Ave and E 36th Pl	\$ 6,000.00
43070	Intersection of E 37th St and S Lewis Ave	\$ 8,000.00
43071	Intersection of E 38th St and S Lewis Ave	\$ 15,000.00
43072	Intersection of E 39th St and S Lewis Ave	\$ 8,000.00
43073	Intersection of S Lewis Ave and E 40th St	\$ 9,000.00
43074	Intersection of S Lewis Ave and E 44th St	\$ 15,000.00
43075	Intersection of S Lewis Ave and E 45th St	\$ 15,000.00
43076	Intersection of E 45th Pl and S Lewis Ave	\$ 9,000.00
43077	Intersection of S Lewis Ave and E 46th St	\$ 15,000.00
43078	Intersection of S Lewis Ave and E 46th Pl	\$ 18,000.00
43079	Intersection of E 47th St and S Lewis Ave	\$ 29,000.00
43080	Intersection of S Lewis Ave and E 47th Pl	\$ 18,000.00
43081	Intersection of S Lewis Ave and E 48th St	\$ 15,000.00
43082	Intersection of S Lewis Ave and E 49th St (east)	\$ 14,000.00
43083	Intersection of S Lewis Ave and E 49th St (west)	\$ 14,000.00
43085	Intersection of S Lewis Ave and 59th St	\$ 14,000.00
43086	Intersection of S Lewis Ave and E 59th Ct	\$ 12,000.00
43087	Intersection of S Lewis Ave and E 65th Pl	\$ 14,000.00
43090	Intersection of E 73rd St and S Lewis Ave	\$ 5,000.00
43091	Intersection of S Lewis Ave and E 75th St	\$ 18,000.00
43092	Intersection of S Lewis Ave and E 82nd Pl	\$ 8,000.00
43093	Intersection of E 91st St and S Lewis Ave	\$ 7,000.00
43094	Intersection of S Lewis Ave and S Lewis Ct	\$ 8,000.00
44001	Intersection of S Memorial Dr and E 87th Ct	\$ 22,000.00
44002	Intersection of S Memorial Dr and E 87th St	\$ 14,000.00
44003	Intersection of S 77th East Ave and S Memorial Dr	\$ 14,000.00
44004	Intersection of S Memorial Dr and E 80th St	\$ 15,000.00
44005	Intersection of S Memorial Dr and E 79th St	\$ 15,000.00
44006	Intersection of S Memorial Dr and E 77th Ct	\$ 14,000.00
44007	Intersection of S Memorial Dr and E 77th St	\$ 14,000.00
44008	Intersection of S Memorial Dr and E 76th St	\$ 14,000.00
44009	Intersection of S Memorial Dr and E 75th St	\$ 14,000.00
44010	Intersection of S Memorial Dr and E 74th Pl	\$ 21,000.00
44011	Intersection of S Memorial Dr and E 73rd St (west)	\$ 8,000.00
44012	Intersection of S Memorial Dr and E 73rd St (east)	\$ 17,000.00
44013	Intersection of S Memorial Dr and E 65th St	\$ 9,000.00
44014	Intersection of E 63rd Pl and S Memorial Dr	\$ 22,000.00
44015	Intersection of S Memorial Dr and E 63rd St (west)	\$ 14,000.00
44016	Intersection of S Memorial Dr and E 63rd St (east)	\$ 8,000.00
44017	Intersection of S Memorial Dr and E 60th St	\$ 29,000.00
44018	Intersection of S Memorial Dr and E 58th Pl	\$ 14,000.00
44019	Intersection of S Memorial Dr and E 58th St	\$ 14,000.00

GPS ID	Project Name	Cost Projection
44020	Intersection of S Memorial Dr and E 57th St	\$ 14,000.00
44021	Intersection of S 79th East Pl and S Memorial Dr	\$ 14,000.00
44022	Intersection of E 55th St and S Memorial Dr	\$ 14,000.00
44023	Intersection of S Memorial Dr and E 53rd St	\$ 14,000.00
44024	Intersection of S Memorial Dr and E 49th St (east)	\$ 14,000.00
44025	Intersection of S Memorial Dr and E 49th St (west)	\$ 14,000.00
44026	Intersection of S Memorial Dr and E 48th St	\$ 14,000.00
44027	Intersection of E 46th Pl and S Memorial Dr	\$ 21,000.00
44028	Intersection of S Memorial Dr and E 44th St	\$ 14,000.00
44029	Intersection of E 42nd Pl and S Memorial Dr	\$ 15,000.00
44030	Intersection of E 40th St and S Memorial Dr	\$ 14,000.00
44031	Intersection of S Memorial Dr and E 31st Ct	\$ 14,000.00
44032	Intersection of S Memorial Dr and E 31st Pl	\$ 8,000.00
44033	Intersection of S Memorial Dr and I-44 EB Entrance Ramp	\$ 6,000.00
44034	Intersection of E 27th Ct and S Memorial Dr	\$ 8,000.00
44035	Intersection of S Memorial Dr and E 19th St	\$ 8,000.00
44036	Intersection of S Memorial Dr and E 9th St	\$ 8,000.00
45000	Intersection of S Delaware Ave and E 89th St	\$ 8,000.00
45001	Intersection of S Delaware Ave and E 90th St	\$ 18,000.00
45002	Intersection of S Delaware Ave East and 93rd St	\$ 11,000.00
45003	Intersection of S Delaware Ave and E 95th St	\$ 19,000.00
46000	Intersection of N. Cheyenne Ave. at W. Fairview St.	\$ 23,000.00
46001	Intersection of N. Boulder Ave. at W. Fairview St.	\$ 52,000.00
46002	Intersection of N. Main St. at W. Fairview St.	\$ 52,000.00
46003	Intersection of N. Boston Ave. at E. Fairview St.	\$ 53,000.00
46004	Intersection of N. Cheyenne Ave. at W. Edison St.	\$ 27,000.00
46005	Intersection of N. Denver Ave. at W. Easton St.	\$ 38,000.00
46006	Intersection of N. Cheyenne Ave. at W. Easton St.	\$ 47,000.00
46007	Intersection of N. Boulder Ave. at W. Easton St.	\$ 20,000.00
46008	Intersection of N. Main St. at W. Easton St.	\$ 21,000.00
46009	Intersection of N. Boston Ave. at E. Easton St.	\$ 51,000.00
46010	Intersection of N. Elgin Ave. at E. Easton St.	\$ 30,000.00
46011	Intersection of N. Elgin Ave. at E. John Hope Franklin Blvd.	\$ 22,000.00
46012	Intersection of N. Denver Ave. at W. Cameron St.	\$ 23,000.00
46013	Intersection of N. Cheyenne Ave. at W. Cameron St.	\$ 56,000.00
46014	Intersection of N. Boulder Ave. at W. Cameron St.	\$ 45,000.00
46015	Intersection of N. Main St. at E. Cameron St.	\$ 41,000.00
46016	Intersection of N. Boston Ave. at E. Cameron St.	\$ 38,000.00
46017	Intersection of N. Cincinnati Ave. at E. Cameron St.	\$ 37,000.00
46018	Intersection of N. Detroit Ave. at E. Cameron St.	\$ 14,000.00
46019	Intersection of N. Denver Ave. at W. Brady St.	\$ 58,000.00
46020	Intersection of N. Cheyenne Ave. at W. Brady St.	\$ 57,000.00
46021	Intersection of N. Boulder Ave. at W. Brady St.	\$ 35,000.00
46022	Intersection of N. Main St. at E. Brady St.	\$ 52,000.00
46023	Intersection of N. Boston Ave. at E. Brady St.	\$ 40,000.00
46024	Intersection of N. Cincinnati Ave. at E. Brady St.	\$ 21,000.00
46025	Intersection of N. Detroit Ave. at E. Brady St.	\$ 34,000.00
46026	Intersection of N. Elgin Ave. at E. Brady St.	\$ 5,000.00
46027	Intersection of N. Cheyenne Ave. at W. Archer St.	\$ 46,000.00
46028	Intersection of N. Boston Ave. at E. Archer St.	\$ 12,000.00
46029	Intersection of N. Elgin Ave. at E. Archer St.	\$ 16,000.00

GPS ID	Project Name	Cost Projection
46030	Intersection of N. Frankfort Ave. at E. Archer St.	\$ 11,000.00
46031	Intersection of N. Greenwood Ave. at E. Archer St.	\$ 24,000.00
46032	Intersection of S. Frisco Ave. at W. 1st St.	\$ 10,000.00
46033	Intersection of S. Elwood Ave. at W. 1st St.	\$ 17,000.00
46034	Intersection of S. Greenwood Ave. at E. 1st St.	\$ 46,000.00
46035	Intersection of Heavy Traffic Way at W. 2nd St.	\$ 30,000.00
46036	Intersection of S. Guthrie Ave. at W. 2nd St.	\$ 20,000.00
46037	Intersection of S. Frisco Ave. at W. 2nd St.	\$ 14,000.00
46038	Intersection of S. Frankfort Ave. at E. 2nd St.	\$ 18,000.00
46039	Intersection of S. Greenwood Ave. at E. 2nd St.	\$ 30,000.00
46040	Intersection of S. Kenosha Ave. at E. 2nd St.	\$ 49,000.00
46041	Intersection of S. Lansing Ave. at E. 2nd St.	\$ 52,000.00
46042	Intersection of S. Houston Ave. at Heavy Traffic Way	\$ 36,000.00
46043	Intersection of S. Guthrie Ave. at W. 3rd St.	\$ 16,000.00
46044	Intersection of S. Frankfort Ave. at E. 3rd St.	\$ 39,000.00
46045	Intersection of S. Greenwood Ave. at E. 3rd St.	\$ 27,000.00
46046	Intersection of S. Kenosha Ave. at E. 3rd St.	\$ 32,000.00
46047	Intersection of S. Lansing Ave. at E. 3rd St.	\$ 18,000.00
46048	Intersection of S. Frankfort Ave. at E. 4th St.	\$ 57,000.00
46049	Intersection of S. Kenosha Ave. at E. 4th St.	\$ 50,000.00
46050	Intersection of S. Lansing Ave. at E. 4th St.	\$ 23,000.00
46052	Intersection of S. Frankfort Ave. at E. 5th St.	\$ 29,000.00
46053	Intersection of S. Elwood Ave. at W. 6th St.	\$ 45,000.00
46054	Intersection of S. Frankfort Ave. at E. 6th St.	\$ 27,000.00
46055	Intersection of S. Kenosha Ave. at E. 6th St.	\$ 27,000.00
46056	Intersection of S. Frisco Ave. at W. 7th St.	\$ 45,000.00
46057	Intersection of S. Elwood Ave. at W. 8th St.	\$ 47,000.00
46058	Intersection of S. Frankfort Ave. at E. 7th St.	\$ 36,000.00
46059	Intersection of S. Kenosha Ave. at E. 7th St.	\$ 22,000.00
46060	Intersection of South Denver Ave. W. at W. 9th St.	\$ 16,000.00
46061	Intersection of S. Cheyenne Ave. at W. 9th St.	\$ 31,000.00
46062	Intersection of South Boulder Ave. W. at W. 9th St.	\$ 50,000.00
46063	Intersection of S. Elgin Ave. at E. 9th St.	\$ 57,000.00
46064	Intersection of S. Main St. at E. 11th St.	\$ 43,000.00
46065	Intersection of S. Boston Ave. at E. 11th St.	\$ 39,000.00
46066	Intersection of S. Cincinnati Ave. at E. 11th St.	\$ 53,000.00
46067	Intersection of S. Detroit Ave. at E. 11th St.	\$ 62,000.00
46068	Intersection of S. Frankfort Ave. at E. 11th St.	\$ 30,000.00
46069	Intersection of S. Norfolk Ave. at E. 11th St.	\$ 30,000.00
46070	Intersection of S. Boston Ave. at E. 13th St.	\$ 51,000.00
46071	Intersection of S. Elgin Ave. at E. 13th St.	\$ 30,000.00
46072	Intersection of S. Newport Ave. at E. 13th St.	\$ 24,000.00
46073	Intersection of S. Owasso Ave. at E. 13th St.	\$ 45,000.00
46074	Intersection of South Denver Ave. W. at W. 14th St.	\$ 20,000.00
46075	Intersection of South Denver Ave. W. at W. 14th Pl.	\$ 32,000.00
46076	Intersection of S. Carthage Ave. at W. 15th St.	\$ 11,000.00
46077	Intersection of S. Carson Ave. at W. 15th St.	\$ 26,000.00
46078	Intersection of S. Cheyenne Ave. at W. 15th St.	\$ 25,000.00
46079	Intersection of S. Baltimore Ave. at E. 15th St.	\$ 20,000.00
46080	Intersection of S. Cincinnati Ave. at E. 15th St.	\$ 16,000.00
46081	Intersection of S. Cincinnati Pl. at E. 15th St.	\$ 17,000.00

GPS ID	Project Name	Cost Projection
46082	Intersection of S. Cincinnati Overpass at E. 15th St.	\$ 19,000.00
46083	Intersection of S. Madison Ave. at E. 15th St.	\$ 12,000.00
46084	Intersection of S. Norfolk Ave. at E. 15th St.	\$ 24,000.00
46085	Intersection of S. Newport Ave. at E. 15th St.	\$ 26,000.00
46086	Intersection of S. Owasso Ave. at E. 15th St.	\$ 32,000.00
46087	Intersection of South Denver Ave. W. at W. 16th St.	\$ 33,000.00
46088	Intersection of South Denver Ave. W. at W. 16th Pl.	\$ 25,000.00
46089	Intersection of South Denver Ave. W. at W. 17th St.	\$ 21,000.00
46090	Intersection of South Denver Ave. W. at W. 17th Pl.	\$ 23,000.00
46091	Intersection of South Denver Ave. W. at W. 18th St.	\$ 15,000.00
46092	Intersection of W 5th St and S Main St	\$ 14,000.00
11071a	Intersection of E 11th St and I-44 WB Exit Ramp	\$ 8,000.00
11071b	Intersection of E 11th St and I-44 EB Ramp	\$ 25,000.00
13017a	Intersection of E 21st St and S Atlanta Pl	\$ 10,000.00
13063a	Intersection of E 21st St and S 125th East Ave (south)	\$ 18,000.00
17021a	Intersection of S Troost Pl and E 41st St	\$ 8,000.00
17022a	Intersection of S Victor Ave and E 41st St	\$ 8,000.00
17022b	Intersection of E 41st St and S Victor Ct	\$ 8,000.00
17022c	Intersection of S Wheeling Ave and E 41st St	\$ 8,000.00
17023B	Intersection of S Yorktown Pl and E 41st St	\$ 8,000.00
17053A	Intersection of S 94th East Ave and E 41st St	\$ 9,000.00
238a	Intersection of E Pine St and US 75 SB Entrance Ramp	\$ 13,000.00
238b	Intersection of E Pine St and US 75 NB Ramp	\$ 20,000.00
26001A	Intersection of S 129th East Ave and E 4th Pl	\$ 18,000.00
28010A	Intersection of E Admiral Pl and N Florence Ave	\$ 15,000.00
28027A	Intersection of S 66th East Ave and E Admiral Pl	\$ 11,000.00
29006A	Intersection of E Apache St and N Garrison Ave (north)	\$ 25,000.00
29007A	Intersection of E Apache St and E 26th Pl N	\$ 14,000.00
29012A	Intersection of E Apache St and N Madison Ave (north)	\$ 8,000.00
29033A	Intersection of E Apache St and N Urbana Ave	\$ 15,000.00
29034A	Intersection of N Kingston Ave and E Apache St	\$ 17,000.00
32005A	Intersection of N Tacoma Ave and W Edison St	\$ 8,000.00
32023A	Intersection of W Edison St and N 39th West Ave (north)	\$ 16,000.00
34029A	Intersection of S Harvard Ave and E 8th St (east)	\$ 6,000.00
35022A	Intersection of S 101st East Ave and E 22nd Pl (east)	\$ 15,000.00
35041A	Midblock Crossing at S 101st East Ave (north of E 26th St)	\$ 7,000.00
36019A	Intersection of E 43rd St and S Peoria Ave	\$ 17,000.00
36032A	Intersection of S Peoria Ave and E 32nd Pl	\$ 11,000.00
36032B	Intersection of S Peoria Ave and E 33rd St	\$ 15,000.00
36066A	Intersection of N Peoria Ave and E Latimer Pl	\$ 10,000.00
36077A	Intersection of N Peoria Ave and E Zion Pl	\$ 23,000.00
36078A	Intersection of N Peoria Ave and E 26th Pl N (east)	\$ 8,000.00
36084B	Intersection of N Peoria Ave and E 47th St N	\$ 18,000.00
36090A	Intersection of N Peoria Ave and E 52nd St N (west)	\$ 11,000.00
37027b	Intersection of E Pine St and N Trenton Ave	\$ 18,000.00
38000A	Intersection of S Delaware Ave and Riverside Pkwy	\$ 9,000.00
39057A	Intersection of S Sheridan Rd and E 5th Pl	\$ 18,000.00
39058A	Intersection of S Sheridan Rd and E 5th St (east)	\$ 13,000.00
39065A	Intersection of N Sheridan Rd and E Easton St	\$ 26,000.00
39067A	Intersection of N Sheridan Rd and E Independence St (east)	\$ 12,000.00
40007A	Intersection of Southwest Blvd and W 21st Pl	\$ 12,000.00

GPS ID	Project Name	Cost Projection
41026A	Intersection of S Yale Ave and E 46th St	\$ 22,000.00
41026B	Intersection of E 45th St and S Yale Ave	\$ 14,000.00
41033A	Intersection of S Yale Ave and S Allegheny Ave	\$ 11,000.00
41038A	Intersection of S Yale Ave and E 32nd St (east)	\$ 18,000.00
41058A	Intersection of N Yale Ave and E King St	\$ 8,000.00
43008A	Intersection of N Lewis Ave and E 30th Pl N	\$ 11,000.00
43017A	Intersection of N Lewis Ave and E Tecumseh St	\$ 36,000.00
43021A	Intersection of N Lewis Ave and E Oklahoma St	\$ 19,000.00
43041A	Intersection of S Lewis Ave and E 14th Pl	\$ 18,000.00
44023A	Intersection of S Memorial Dr and E 50th St	\$ 21,000.00
44030A	Intersection of S Memorial Dr and E 37th St	\$ 22,000.00
44030B	Intersection of S Memorial Dr and E 32nd St	\$ 14,000.00
5003a	Intersection of S Stlouis Ave and E 15th St	\$ 18,000.00
TOTAL		\$ 26,060,000.00

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Detroit Ave

GPS ID: 1000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,777.60
Engineering: (% +/-)	15%	\$ 952.46
Contingency: (% +/-)	20%	\$ 1,269.94
Estimated Project Cost:	\$	7,000.00

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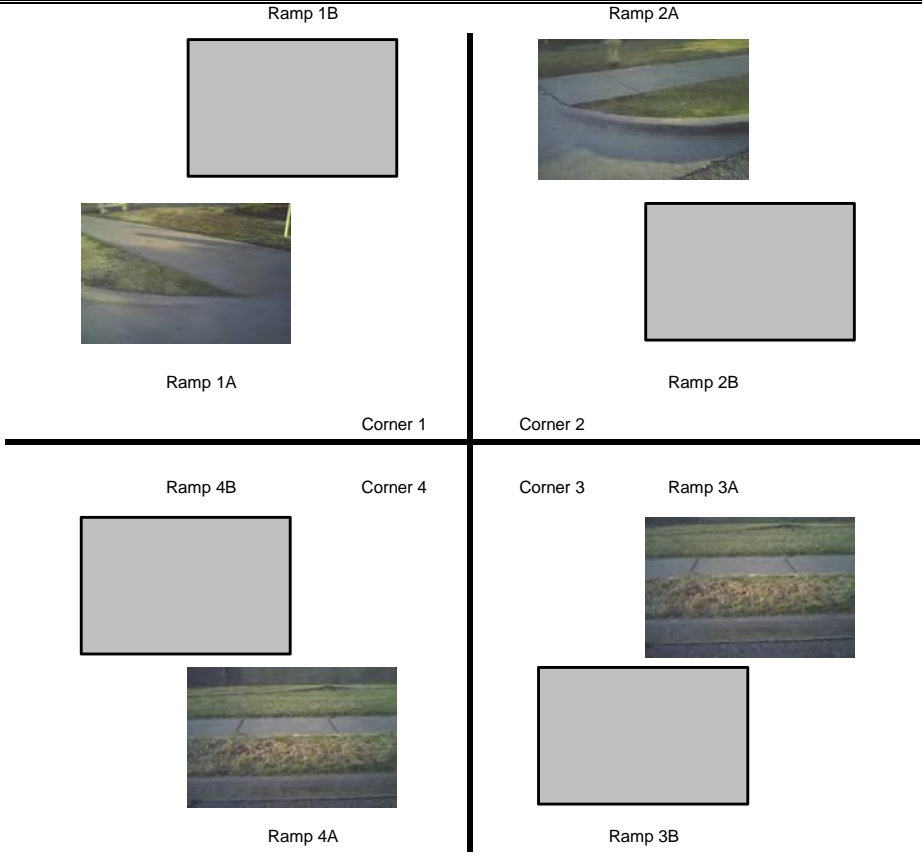
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	-	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Elgin Ave and E Pine St

GPS ID: 1001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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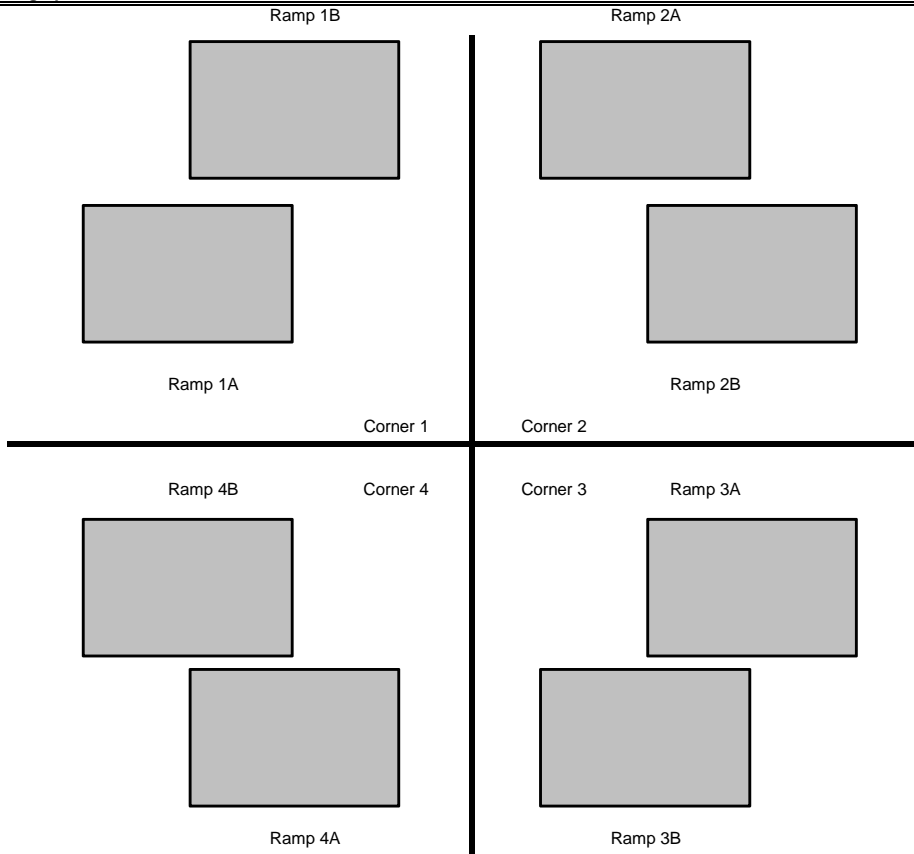
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				Install colored truncated domes
No textured surface at base of ramp					X		X		
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Elgin Ave

GPS ID: 1002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,874.20
Engineering: (% +/-)	15%	\$ 2,196.77
Contingency: (% +/-)	20%	\$ 2,929.03
Estimated Project Cost:	\$	17,000.00

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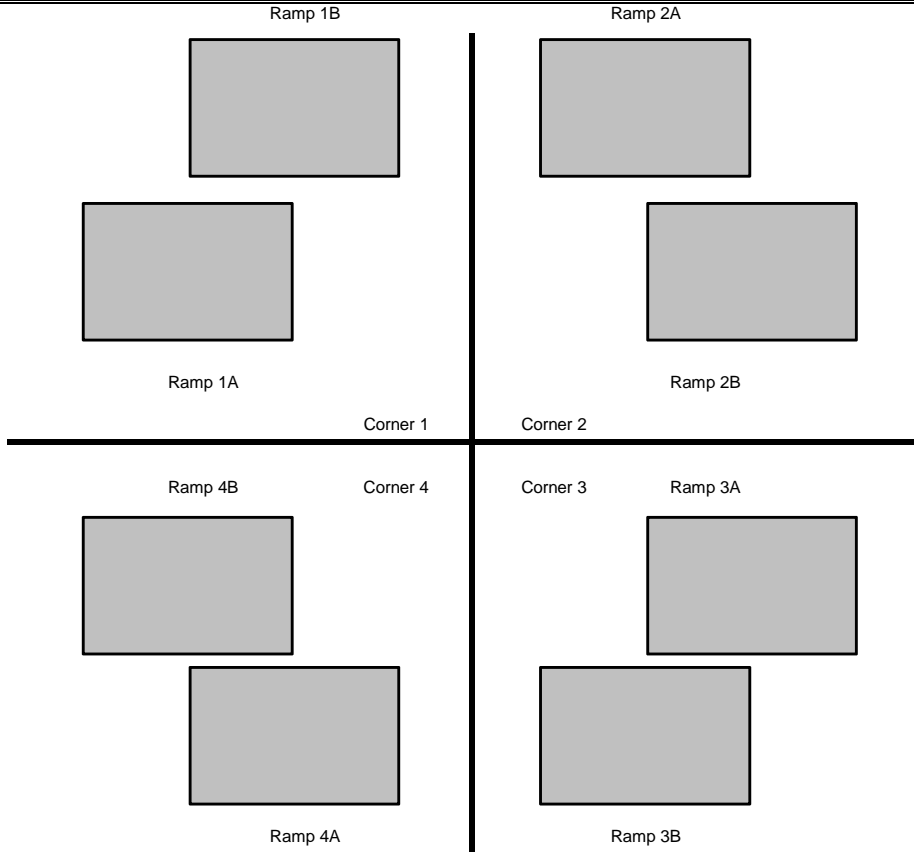
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	-	-	-	-	-	-	



End of Project Description for Project 1002 Intersection of E Pine St and N Elgin Ave

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Frankfort Ave

GPS ID: 1003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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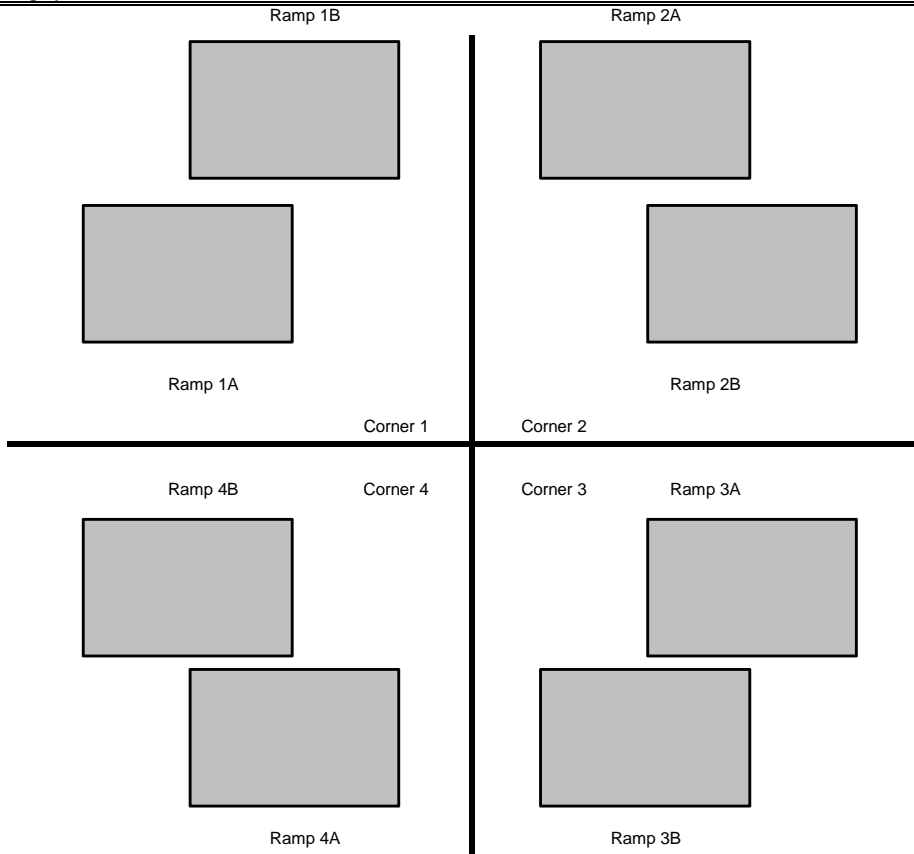
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Frankfort Ave

GPS ID: 1004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,435.20
Engineering: (% +/-)	15%	\$ 1,956.34
Contingency: (% +/-)	20%	\$ 2,608.46
Estimated Project Cost:	\$	15,000.00

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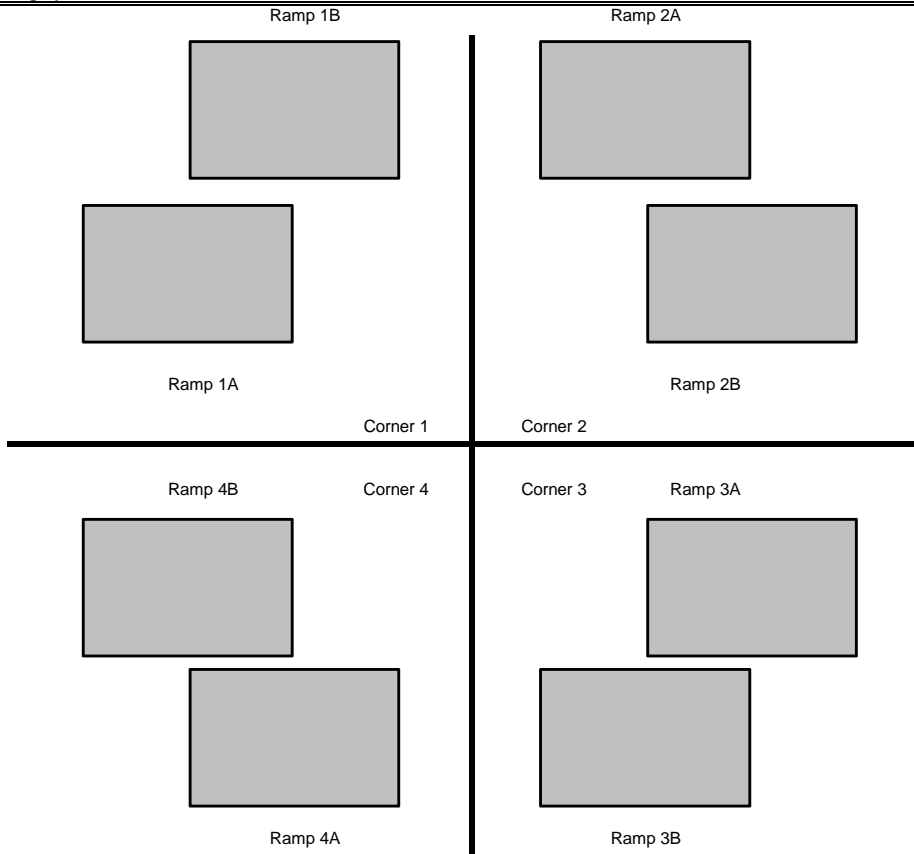
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%						X			Remove and replace ramp
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"						X			
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H			M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Greenwood Pl

GPS ID: 1006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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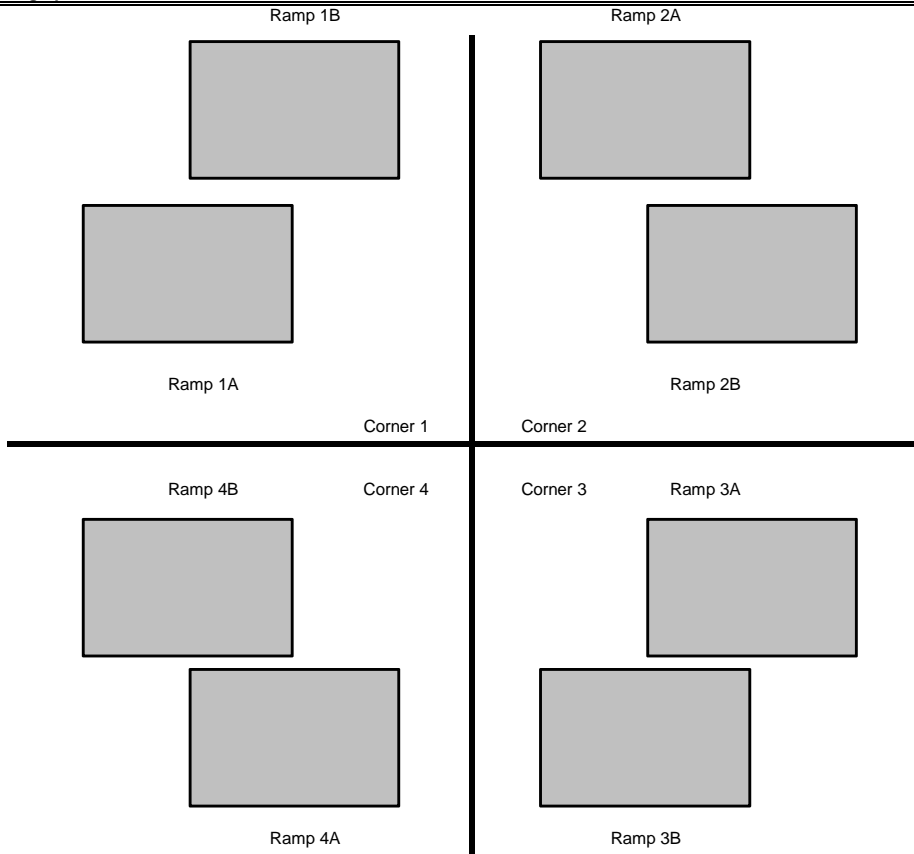
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Hartford Ave and E Pine St

GPS ID: 1007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,226.97
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

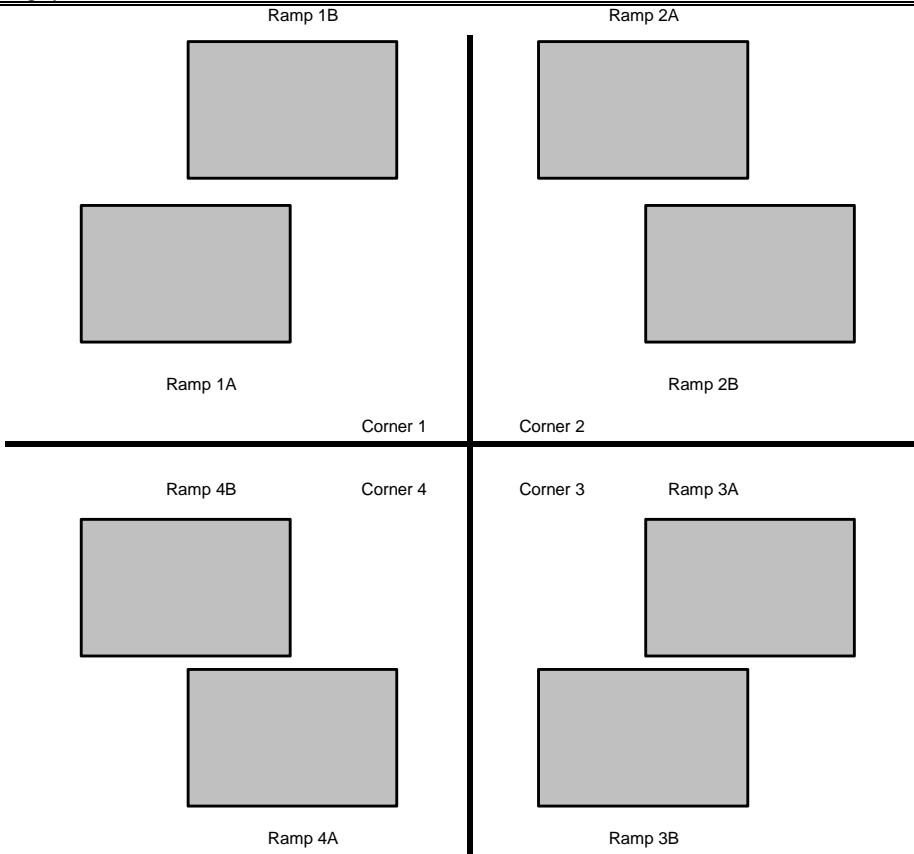
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Madison Ave

GPS ID: 1009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

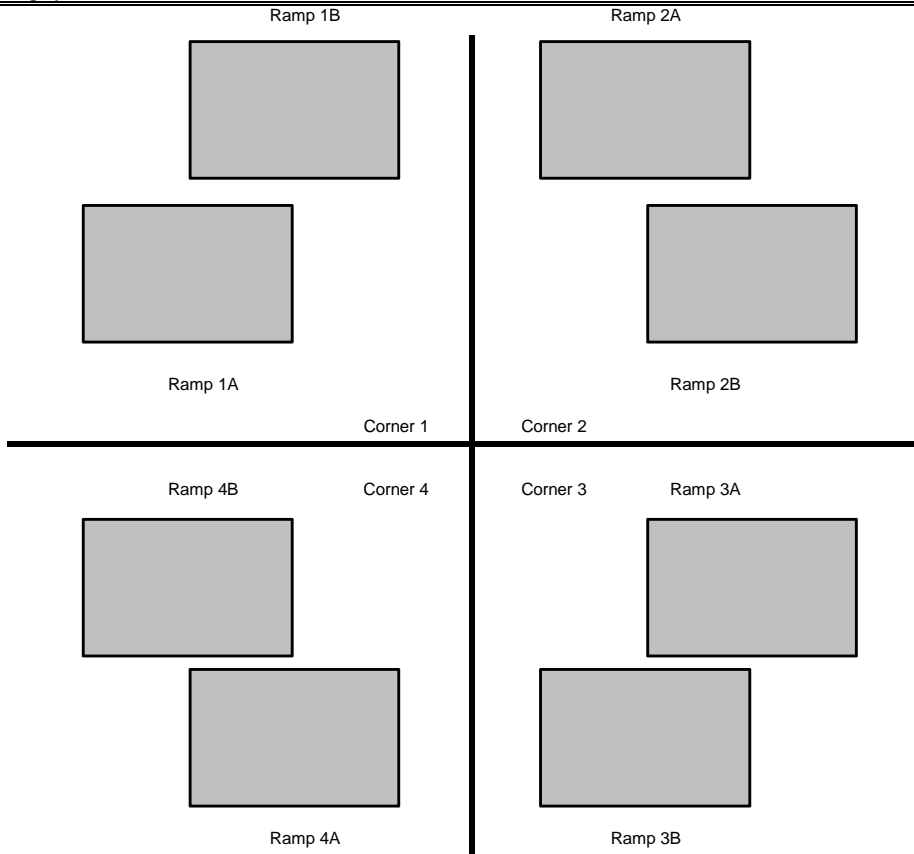
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Norfolk Ave

GPS ID: 1011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,252.80
Engineering: (% +/-)	15%	\$ 2,463.09
Contingency: (% +/-)	20%	\$ 3,284.11
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

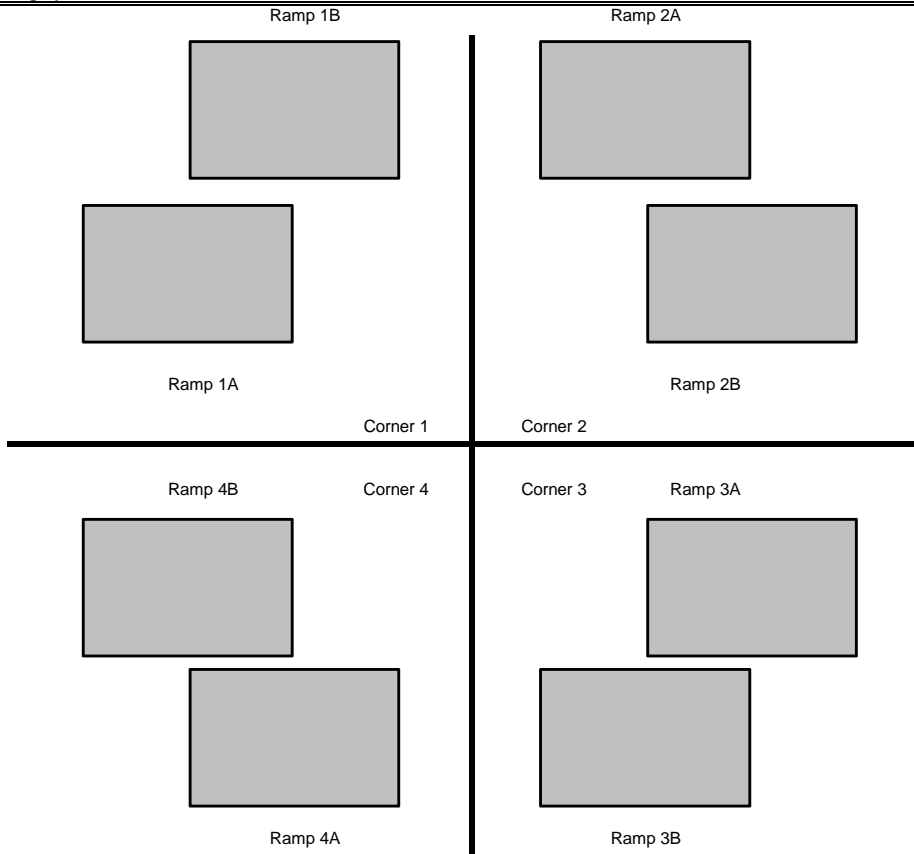
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X			X	
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X					X	Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X					X	Regrade roadway
Ponding occurs at base of ramp	X				X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Owasso Ave and E Pine St

GPS ID: 1012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,646.40
Engineering: (% +/-)	15%	\$ 3,151.54
Contingency: (% +/-)	20%	\$ 4,202.06
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

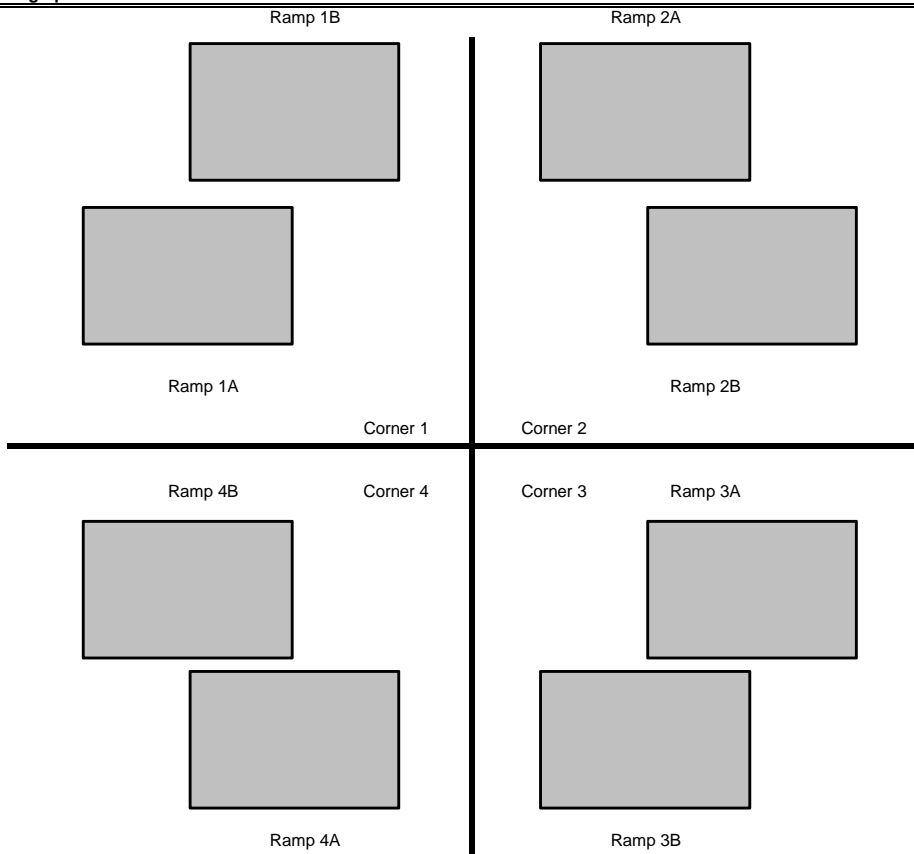
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp					X				
No color contrast at base of ramp									Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 4th St

GPS ID: 2001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,489.60
Engineering: (% +/-)	15%	\$ 2,790.17
Contingency: (% +/-)	20%	\$ 3,720.23
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

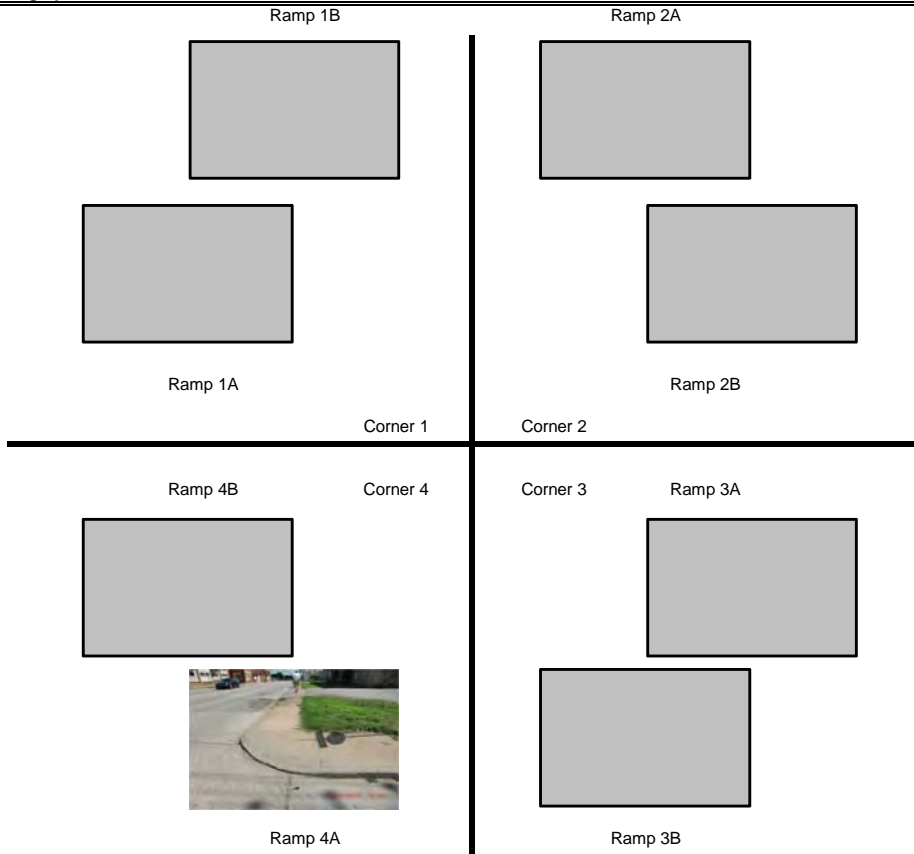
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	-	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 5th St

GPS ID: 2002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	25,252.80
Engineering: (% +/-)	15%	\$	4,177.37
Contingency: (% +/-)	20%	\$	5,569.83
Estimated Project Cost:		\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

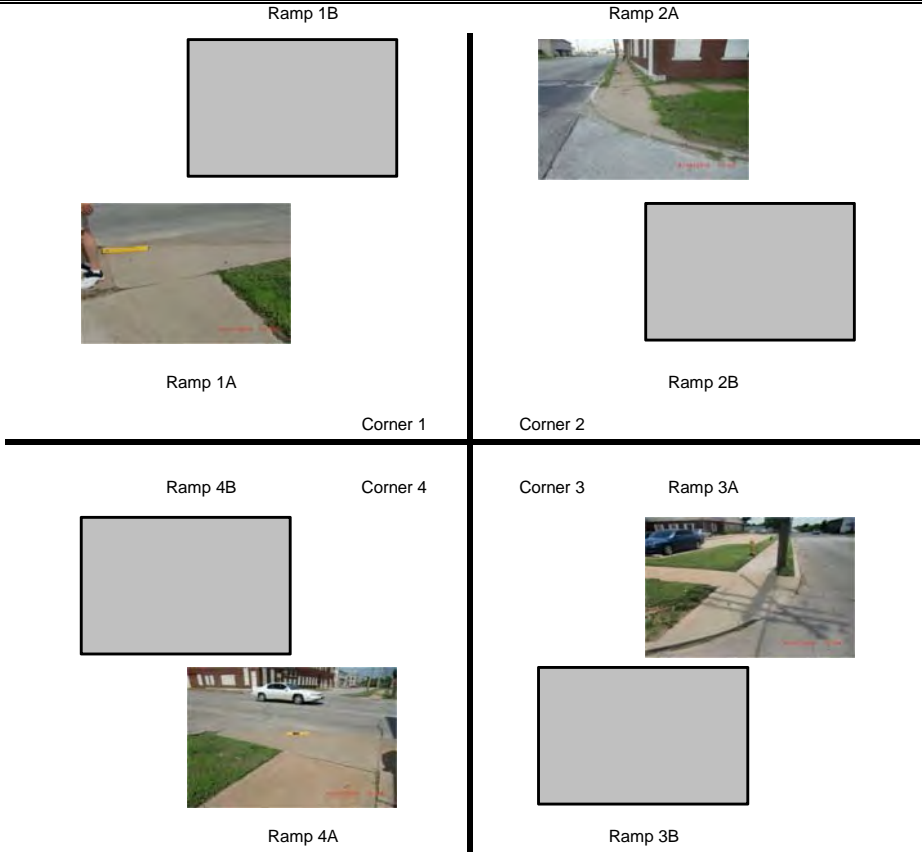
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X			X	
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X					X	Regrade roadway
Ponding occurs at base of ramp	X							X	
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 5th Pl

GPS ID: 2003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,838.40
Engineering: (% +/-)	15%	\$ 3,069.26
Contingency: (% +/-)	20%	\$ 4,092.34
Estimated Project Cost:	\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

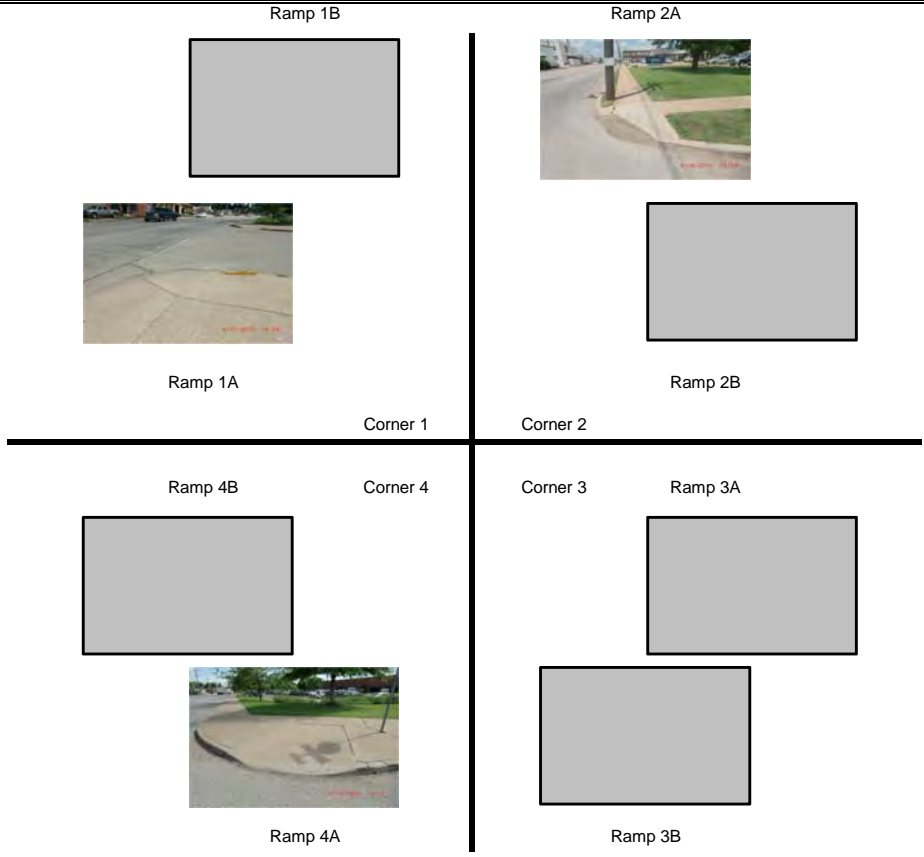
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				
Flare cross slope is greater than 10%	X		X					X	Remove and replace ramp
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"			X						Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X					X	
No color contrast at base of ramp	X		X					X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X					X	
Ponding occurs at base of ramp	X		X					X	
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		H		H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 6th St (west)

GPS ID: 2004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

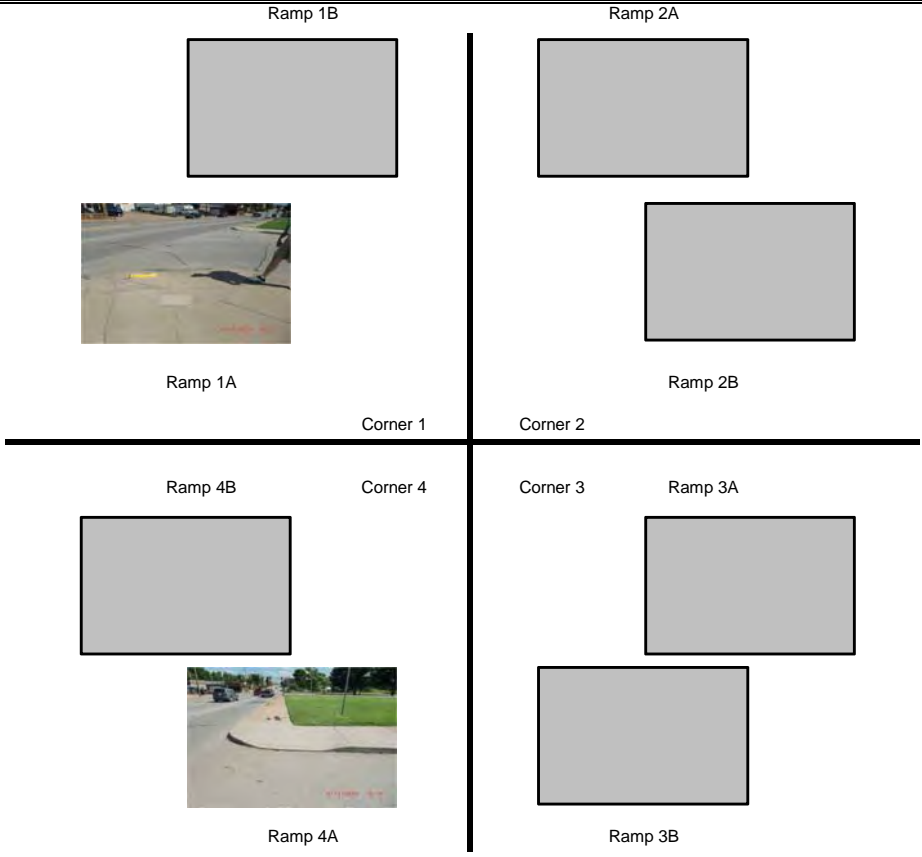
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area	X								Install landing area
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 8th St

GPS ID: 2005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,426.97
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area	X								Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 10th St

GPS ID: 2006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

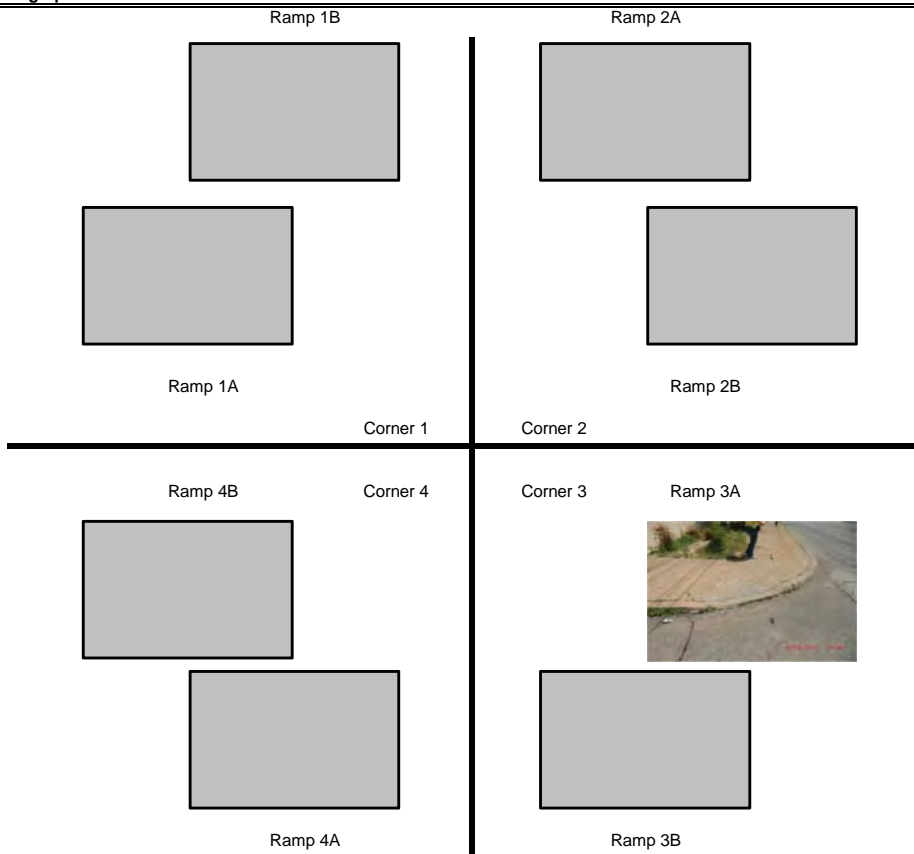
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 12th St

GPS ID: 2007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

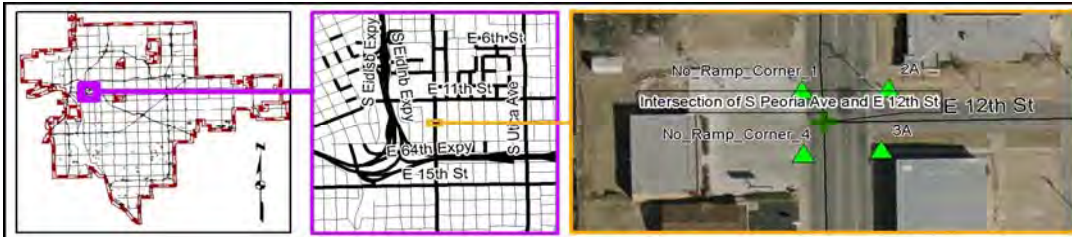
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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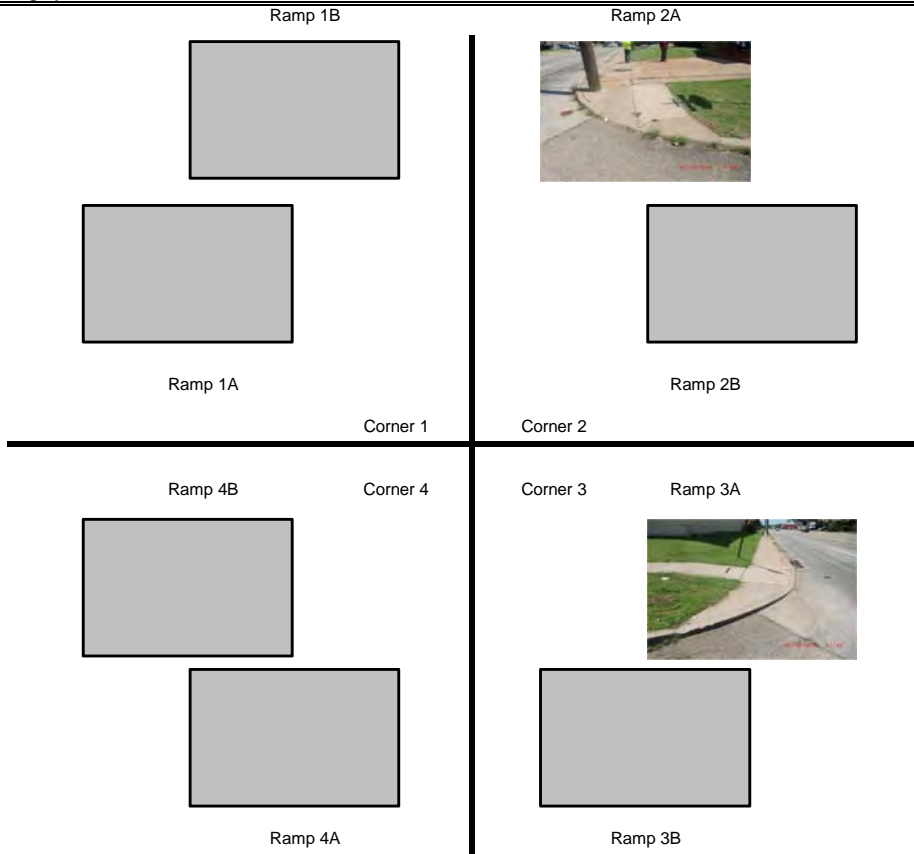
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



End of Project Description for Project 2007 Intersection of S Peoria Ave and E 12th St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 13th St

GPS ID: 2008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

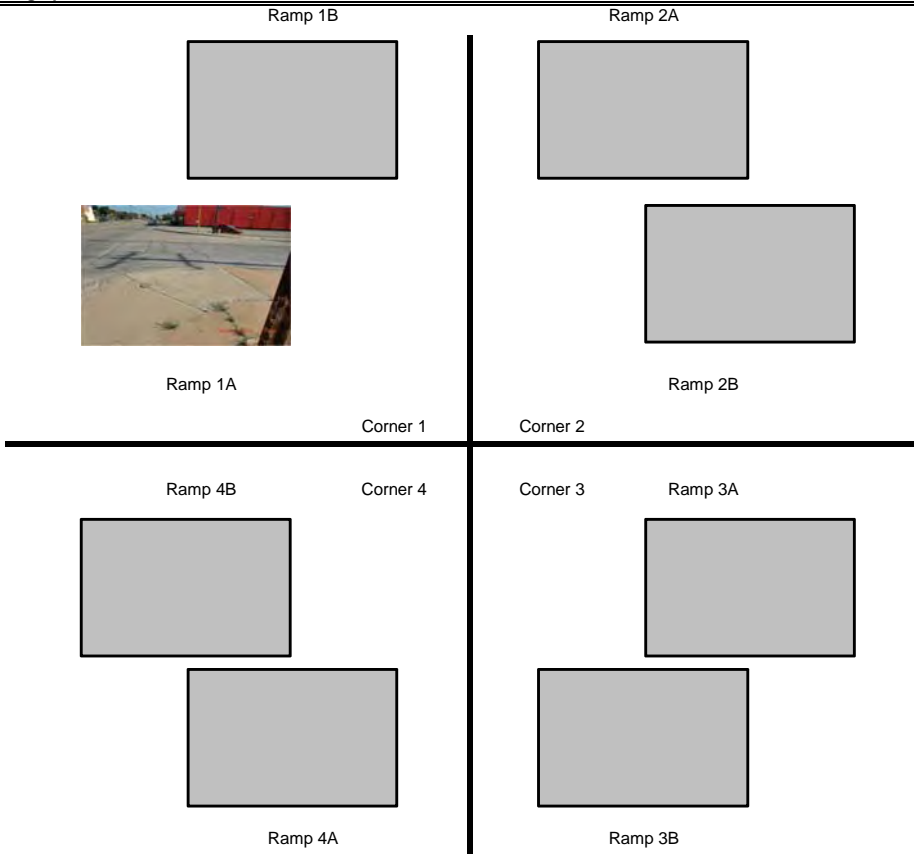
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 13th PI

GPS ID: 2009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

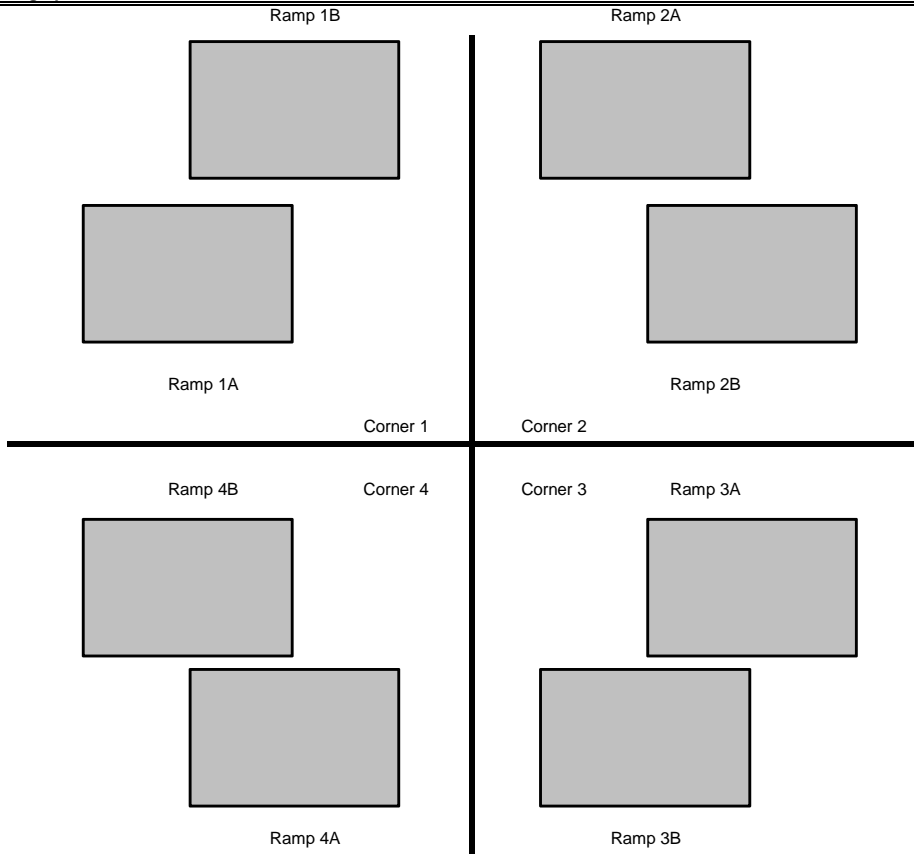
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Worn	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 14th St

GPS ID: 2010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	15,000.00

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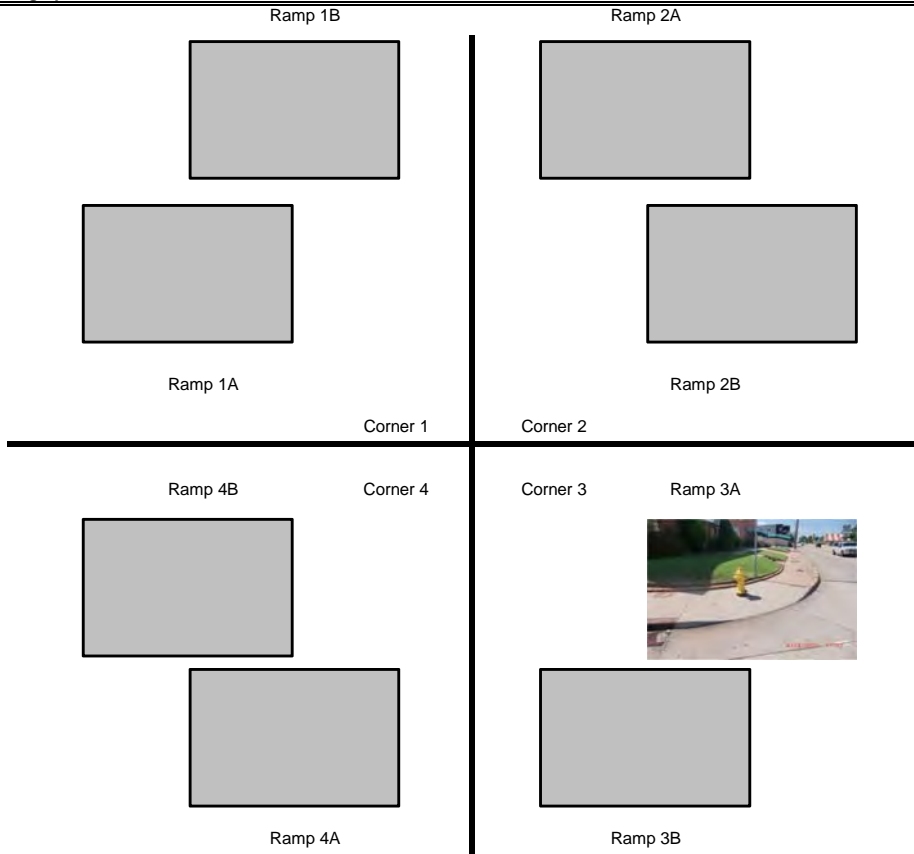
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Worn	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X				
No color contrast at base of ramp					X				Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma Date: 6/25/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 14th PI GPS ID: 2011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	10,297.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,115.66
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	14,000.00

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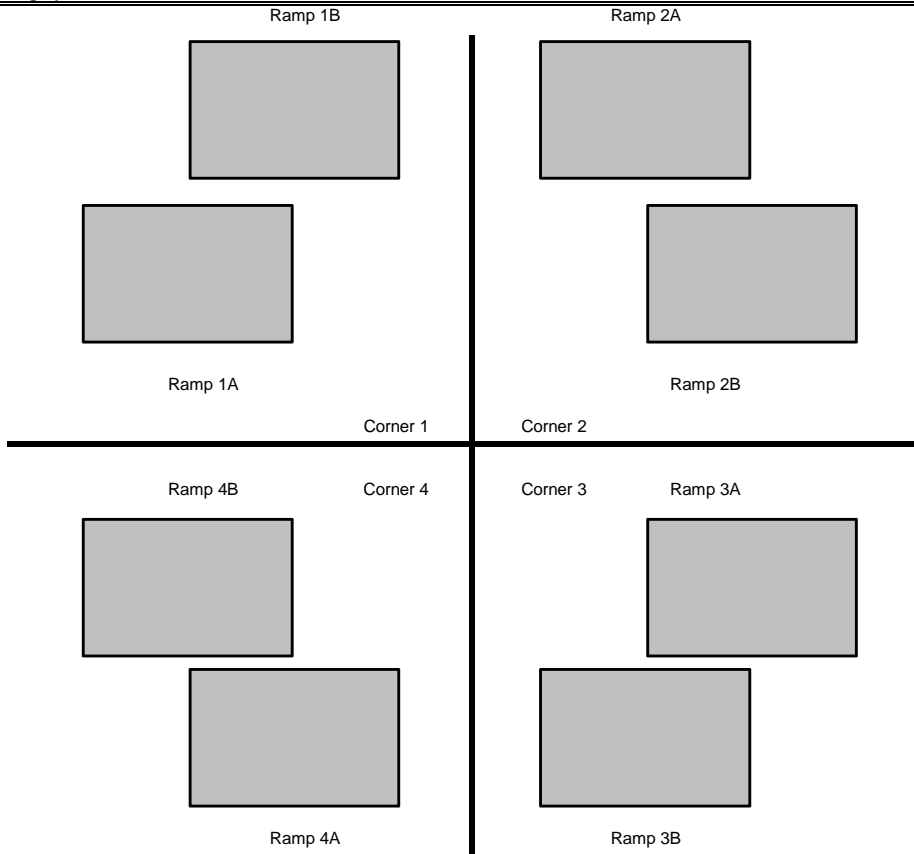
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 16th St (east)

GPS ID: 2012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	16,000.00

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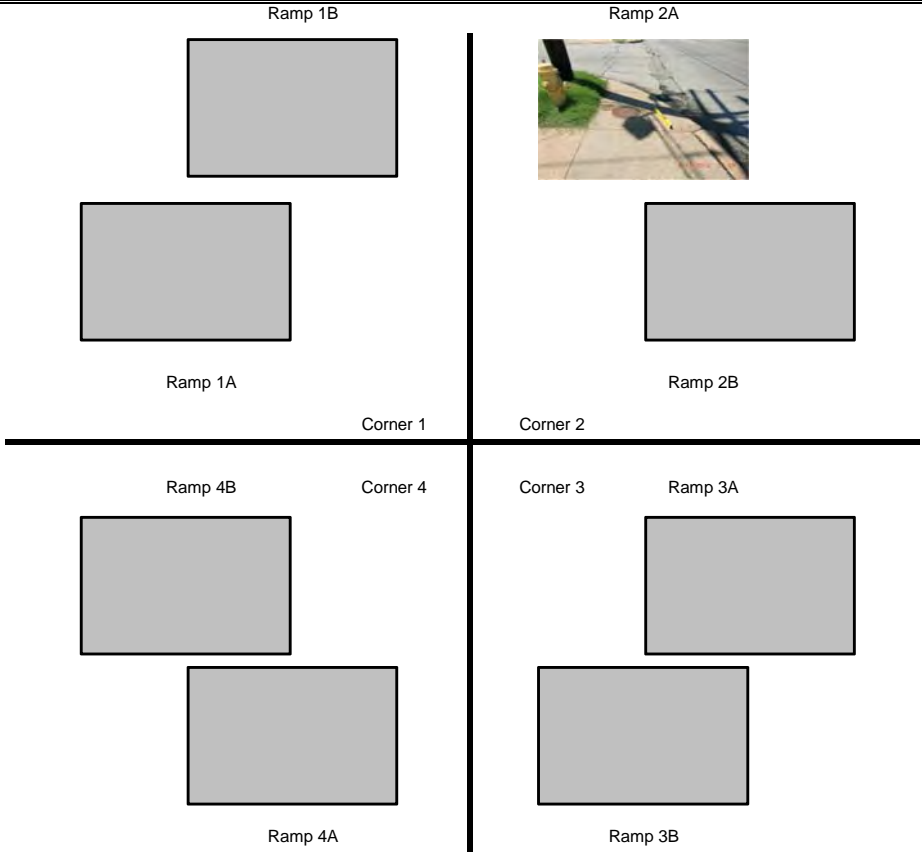
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 16th St (west)

GPS ID: 2013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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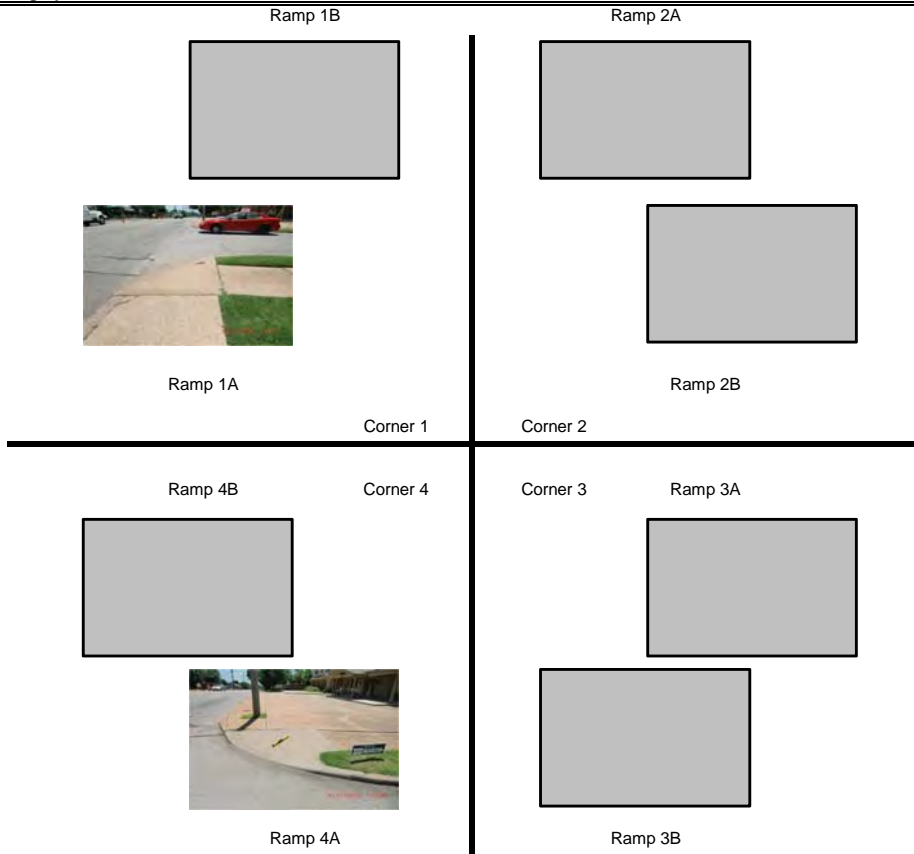
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 17th St

GPS ID: 2014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,252.80
Engineering: (% +/-)	15%	\$ 2,034.51
Contingency: (% +/-)	20%	\$ 2,712.69
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

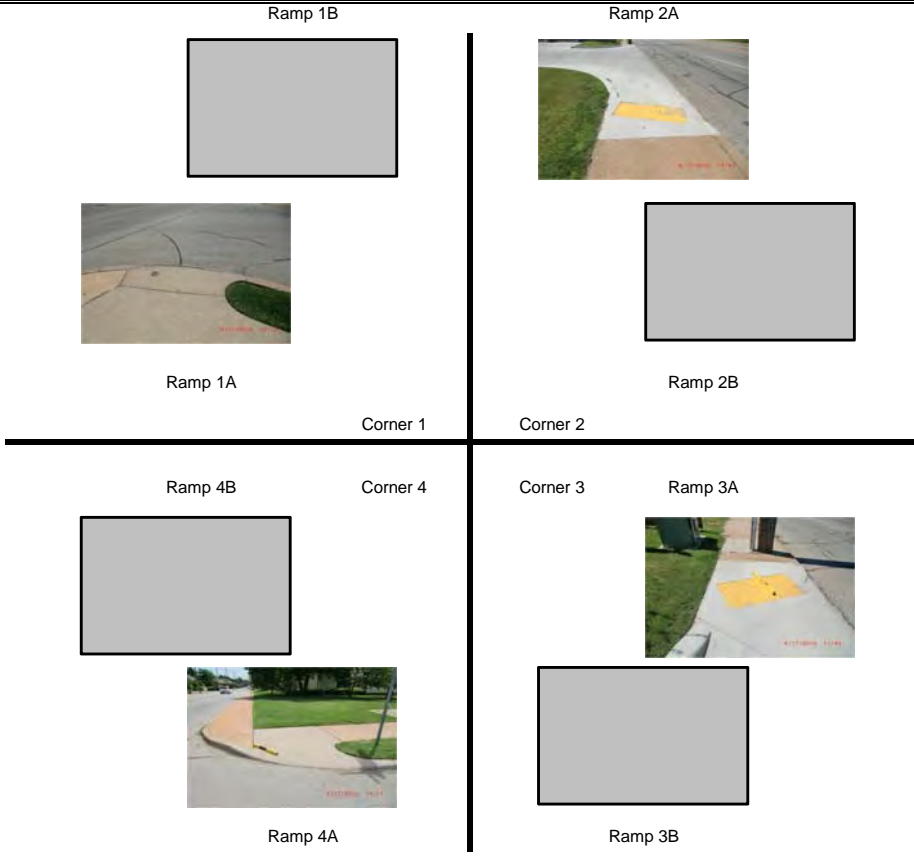
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X		X			X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X				
No textured surface at base of ramp	X							X	
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X			X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 17th PI

GPS ID: 2015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,252.80
Engineering: (% +/-)	15%	\$ 2,463.09
Contingency: (% +/-)	20%	\$ 3,284.11
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

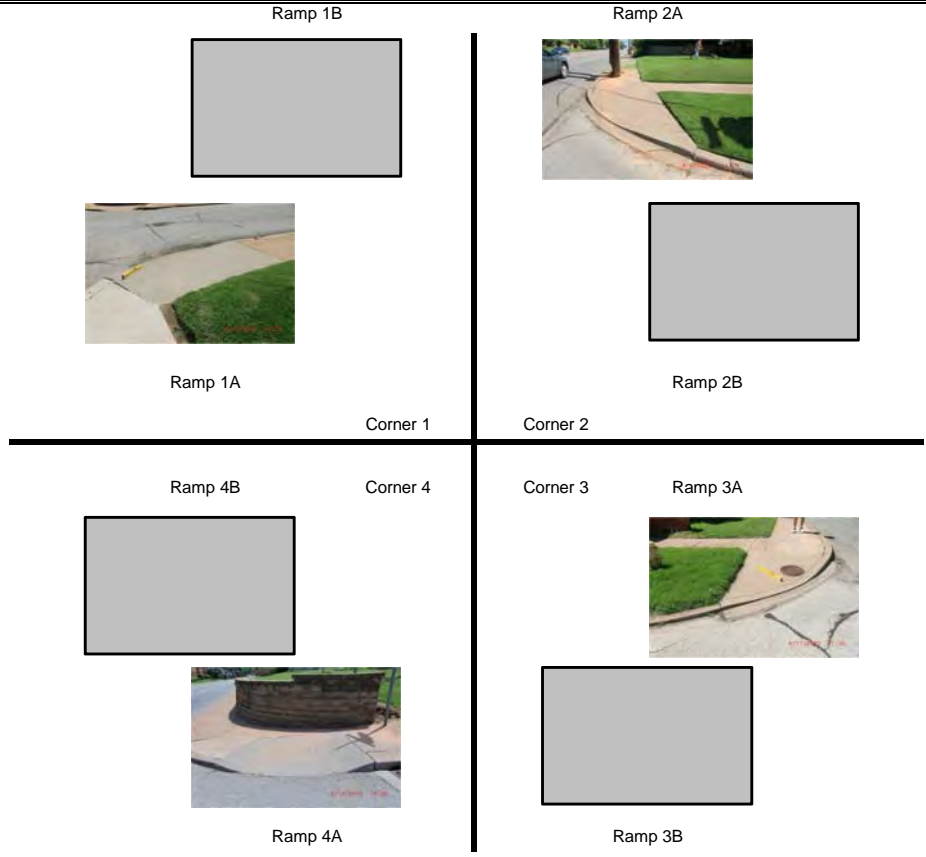
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X					X	Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X			X	
Ramp cross slope is greater than 2%			X					X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp	X				X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 18th St

GPS ID: 2016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,586.20
Engineering: (% +/-)	15%	\$ 2,748.77
Contingency: (% +/-)	20%	\$ 3,665.03
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

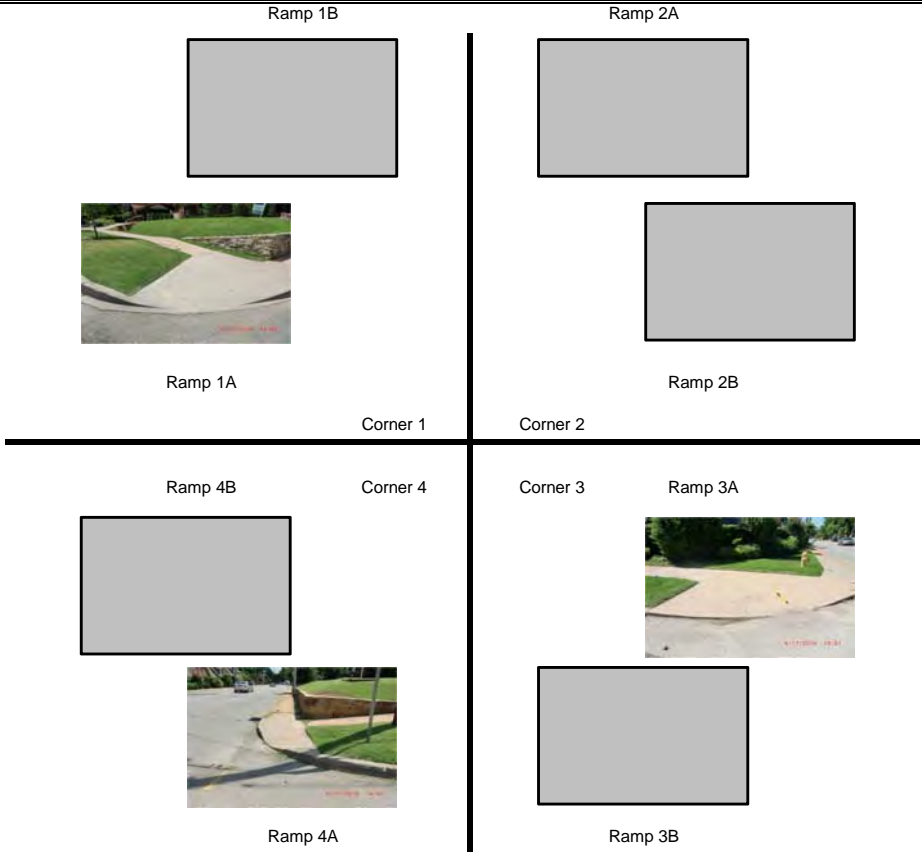
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X						Install handicap ramp
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 19th St

GPS ID: 2017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

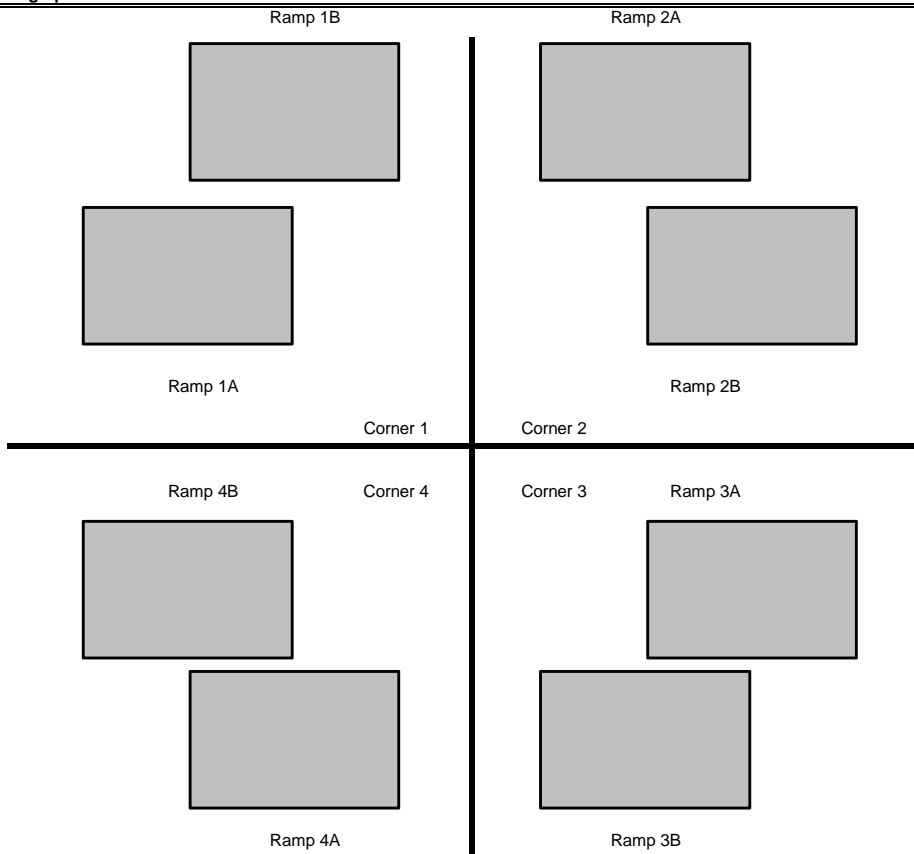
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 20th St

GPS ID: 2018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	17,009.60
Engineering: (% +/-)	15%	\$	2,567.31
Contingency: (% +/-)	20%	\$	3,423.09
Estimated Project Cost:	\$	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

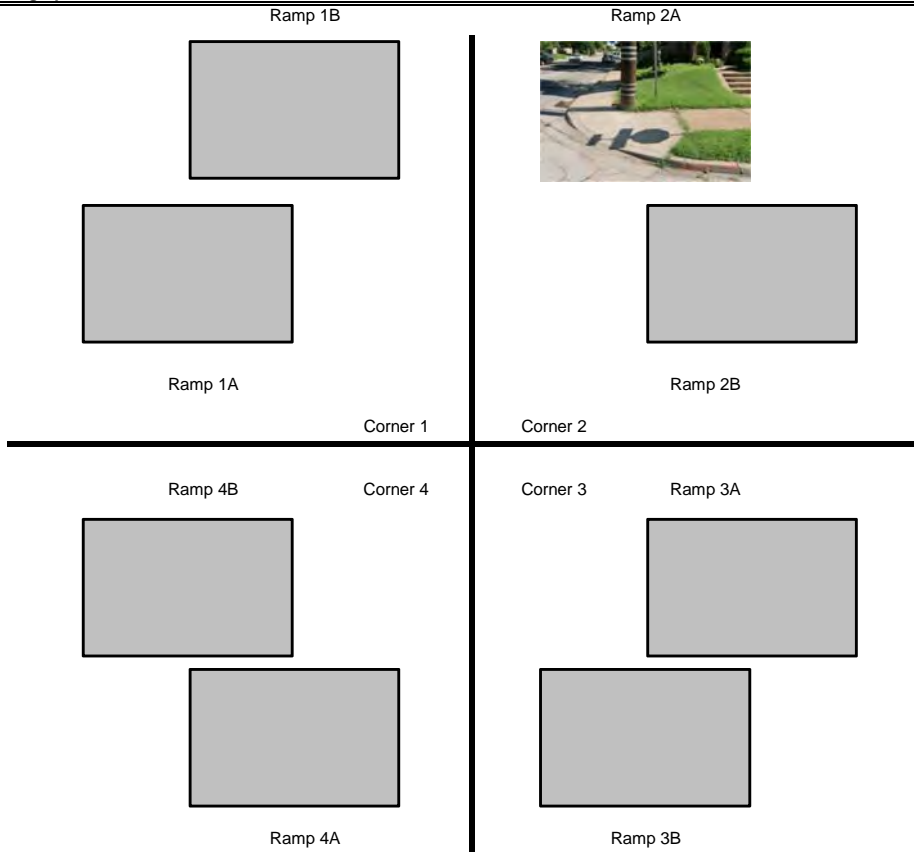
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 2nd St

GPS ID: 3000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	28,641.60
Engineering: (% +/-)	15%	\$	4,439.31
Contingency: (% +/-)	20%	\$	5,919.09
Estimated Project Cost:		\$	39,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

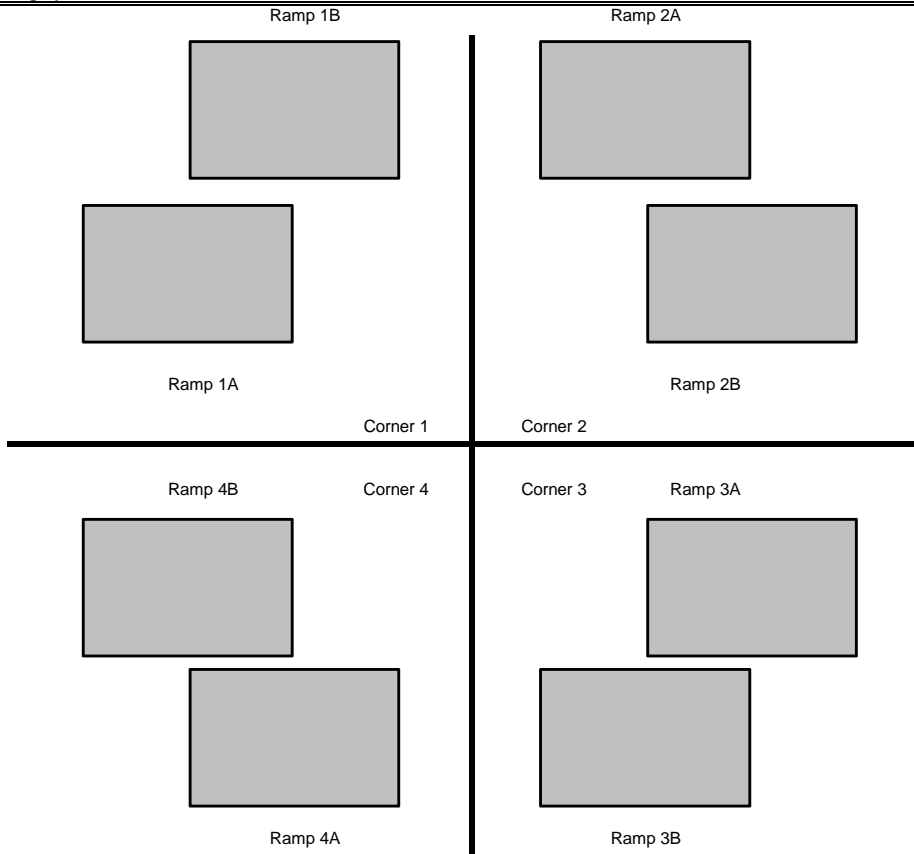
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk			X							
No 48" extension into crosswalk										
Ramp does not exist and is needed			X							Install handicap ramp
Flare cross slope is greater than 10%	X				X	X	X			
Ramp running slope is greater than 8.33%	X				X	X				
Ramp cross slope is greater than 2%					X	X				Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp	X				X	X	X			Install colored truncated domes
No color contrast at base of ramp						X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X	X			Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"	X				X	X	X			Regrade roadway
Ponding occurs at base of ramp	X						X			
Ramp not needed due to existing geometry										
Ramp Priority:	H		H		H	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 4th St and S Utica Ave

GPS ID: 3001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,777.60
Engineering: (% +/-)	15%	\$ 952.46
Contingency: (% +/-)	20%	\$ 1,269.94
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

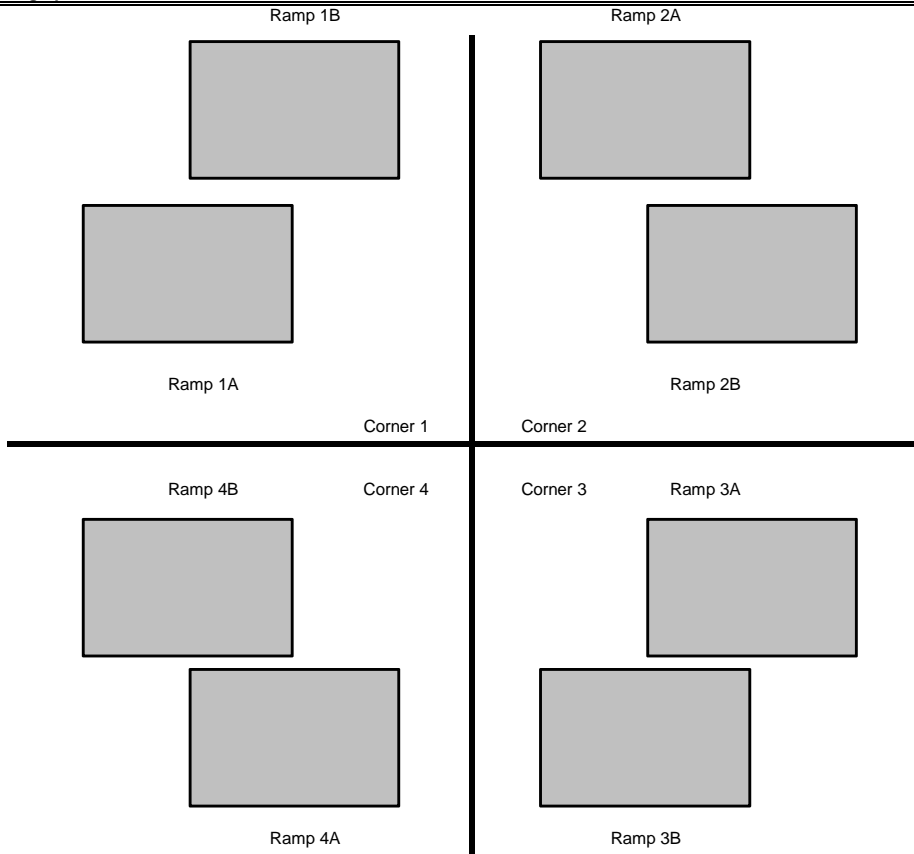
Project Location



Field Observations

Intersection Issues	Crosswalk			Recommendations
	N	E	W	
Pavement condition at the crosswalk	N/A	-	N/A	-
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-
Crosswalk striping	N/A	-	N/A	-

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



End of Project Description for Project 3001 Intersection of E 4th St and S Utica Ave

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 4th Pl and S Utica Ave

GPS ID: 3002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,595.20
Engineering: (% +/-)	15%	\$ 3,173.49
Contingency: (% +/-)	20%	\$ 4,231.31
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

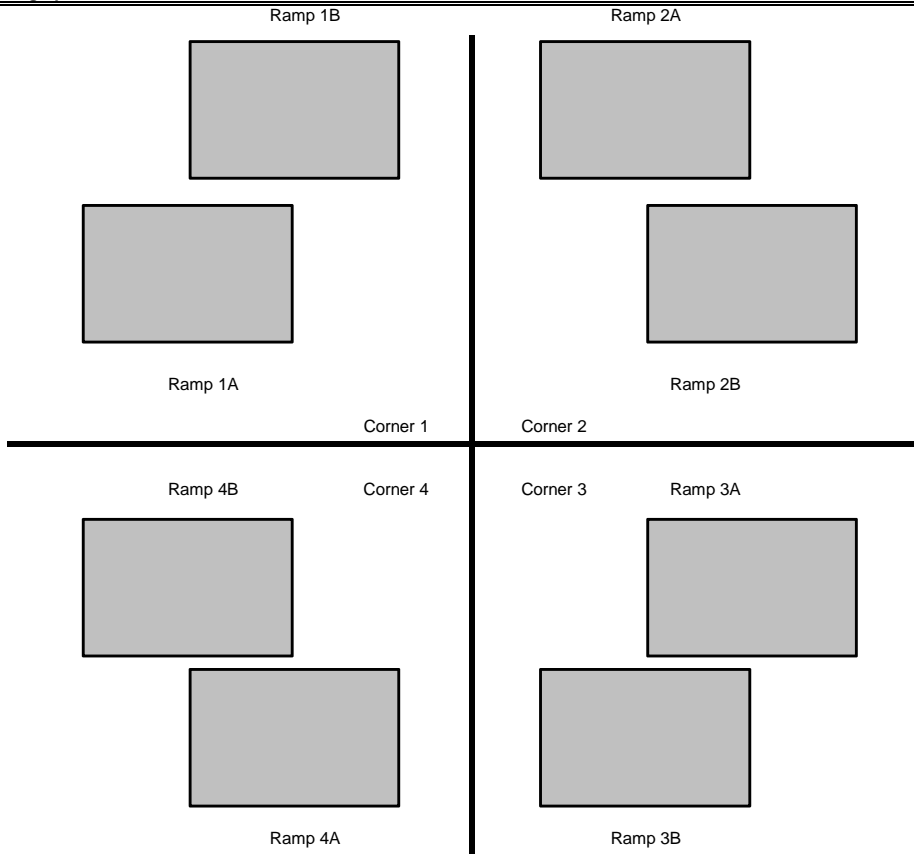
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 5th St and S Utica Ave

GPS ID: 3003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,286.20
Engineering: (% +/-)	15%	\$ 3,734.49
Contingency: (% +/-)	20%	\$ 4,979.31
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

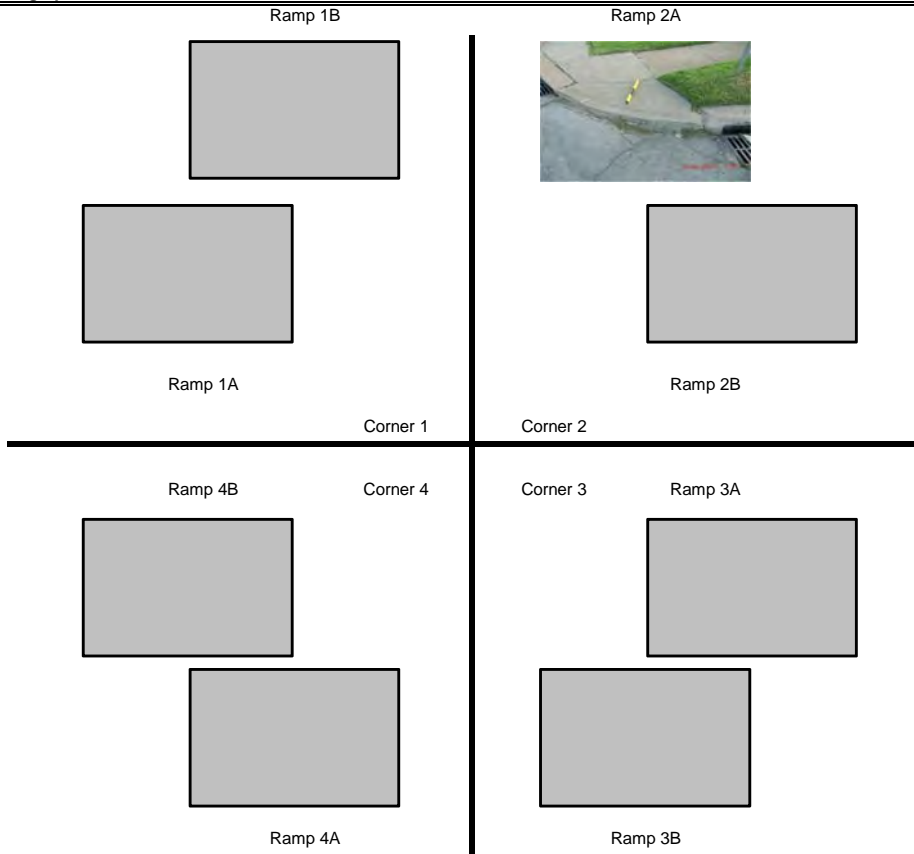
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk					X				
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						Install landing area
No textured surface at base of ramp	X		X						
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp			X				X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		



End of Project Description for Project 3003 Intersection of E 5th St and S Utica Ave

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 7th St

GPS ID: 3004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,424.00
Engineering: (% +/-)	15%	\$ 2,818.29
Contingency: (% +/-)	20%	\$ 3,757.71
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

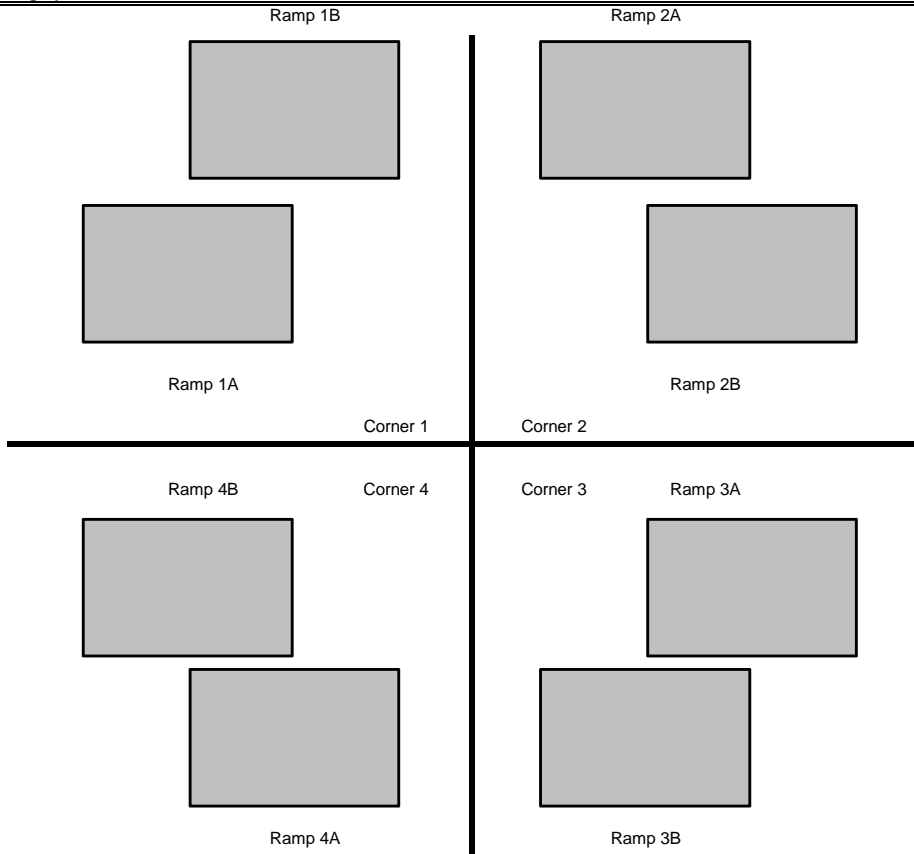
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 8th St

GPS ID: 3005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,732.80
Engineering: (% +/-)	15%	\$ 2,685.94
Contingency: (% +/-)	20%	\$ 3,581.26
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

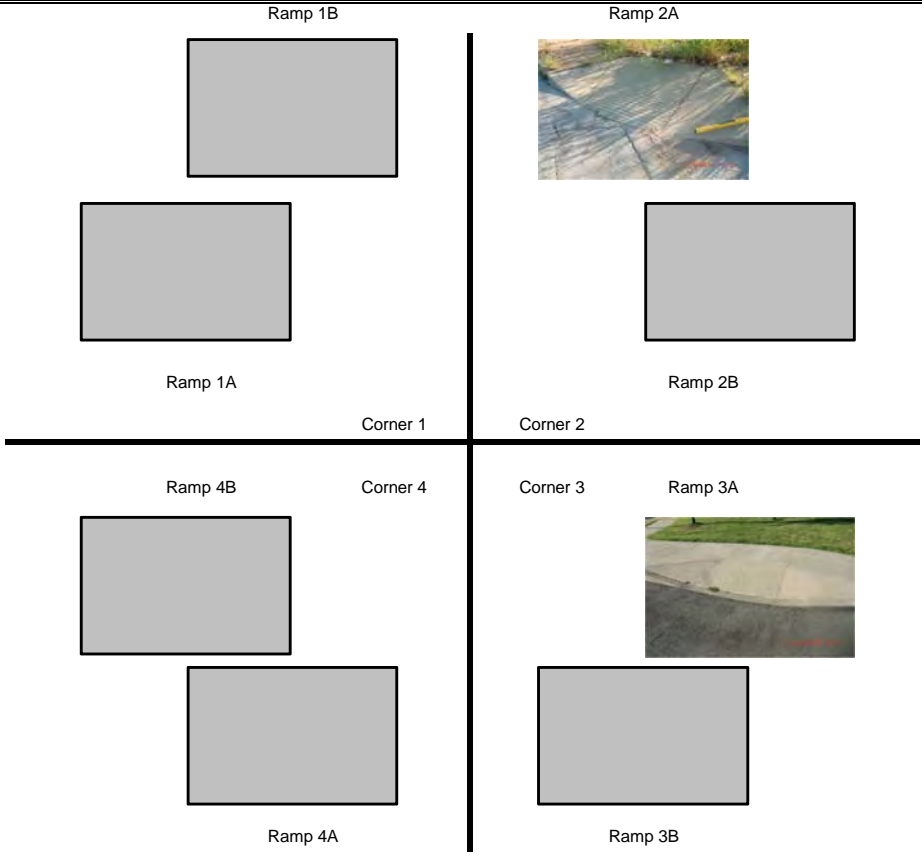
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	-	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	-	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed			X						Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X						Install colored truncated domes
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						Install landing area
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 10th St and S Utica Ave

GPS ID: 3006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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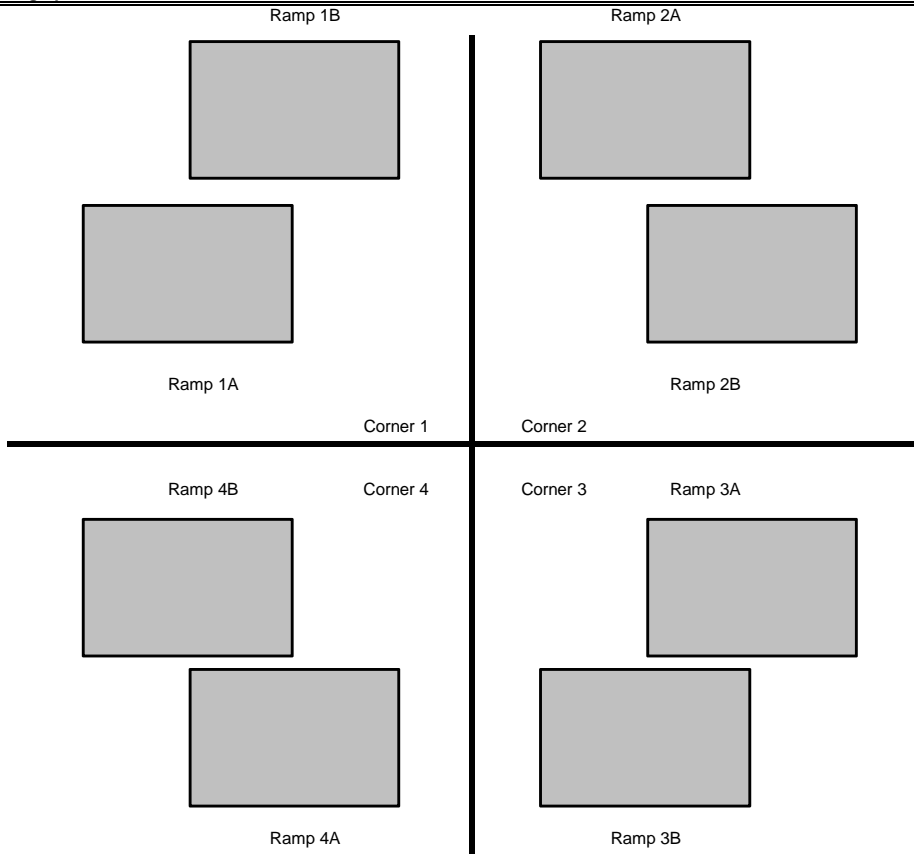
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 13th St

GPS ID: 3007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	29,000.00

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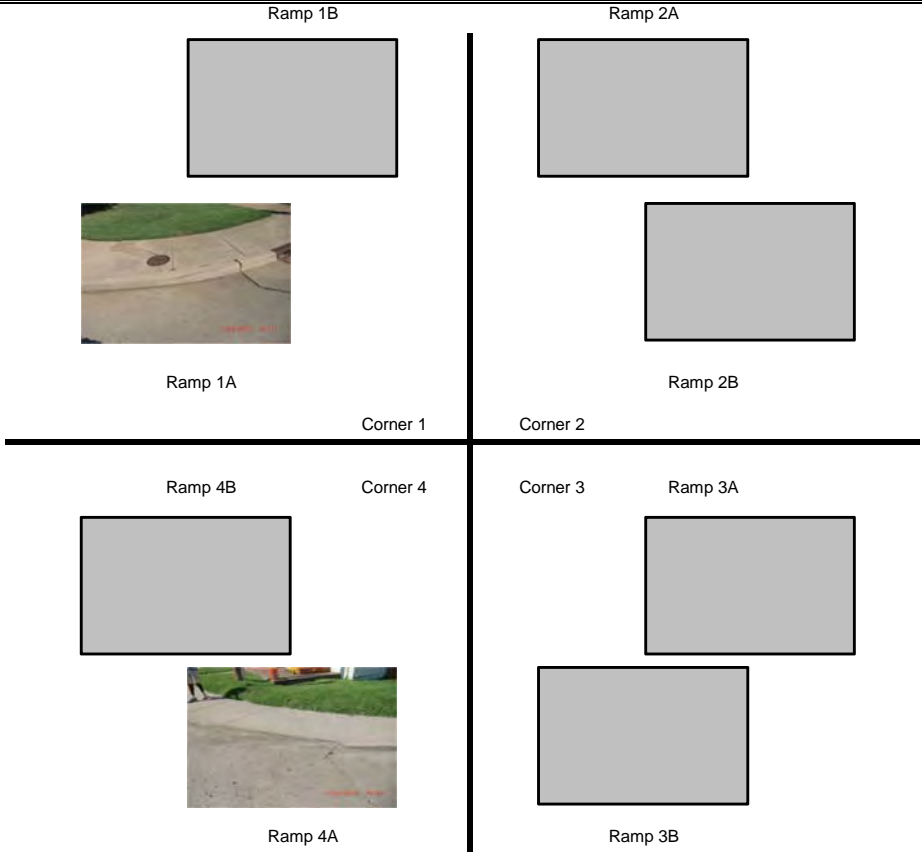
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 14th PI

GPS ID: 3008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

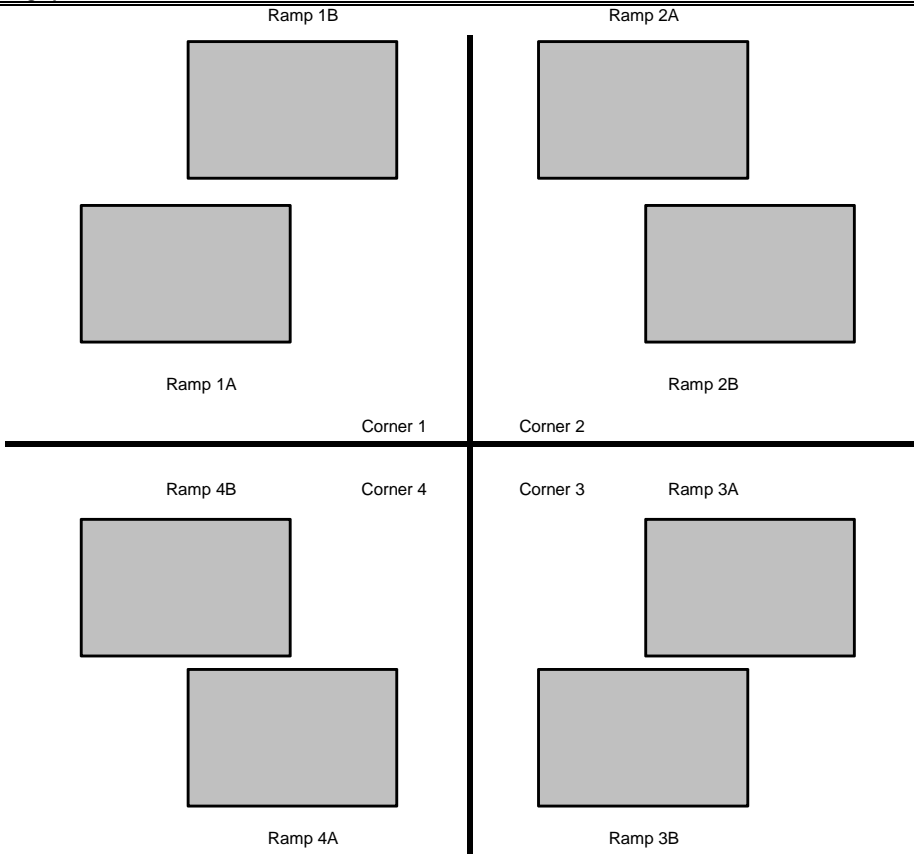
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 16th St

GPS ID: 3009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,424.00
Engineering: (% +/-)	15%	\$ 3,246.86
Contingency: (% +/-)	20%	\$ 4,329.14
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

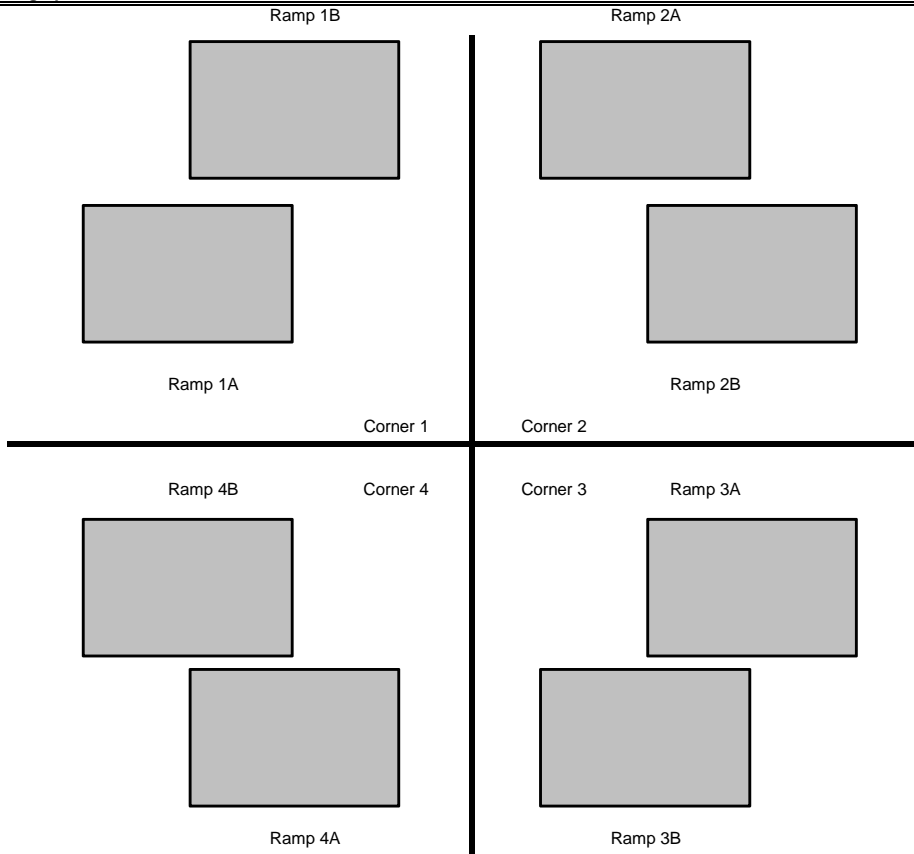
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	-	Good	
Crosswalk cross slope is greater than 2%	-	X	-	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	-	No	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 17th St

GPS ID: 3010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,171.80
Engineering: (% +/-)	15%	\$ 2,926.37
Contingency: (% +/-)	20%	\$ 3,901.83
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

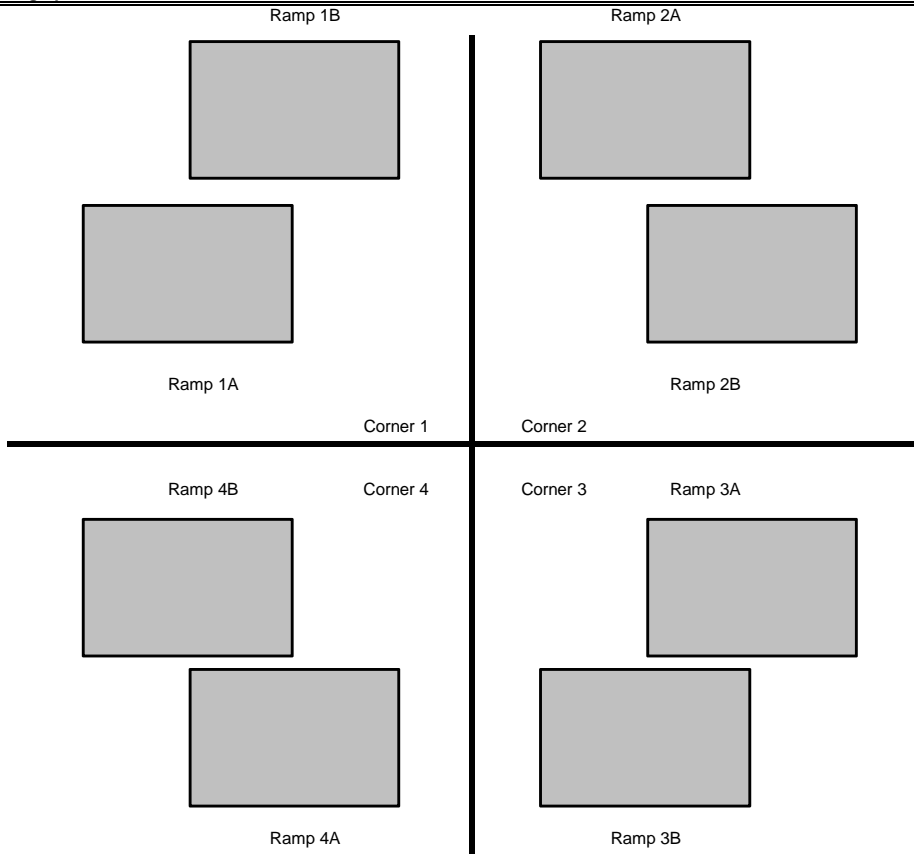
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Poor	-	Good	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	-	No	-	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 17th Pl (west)

GPS ID: 3011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,483.00
Engineering: (% +/-)	15%	\$ 1,935.86
Contingency: (% +/-)	20%	\$ 2,581.14
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

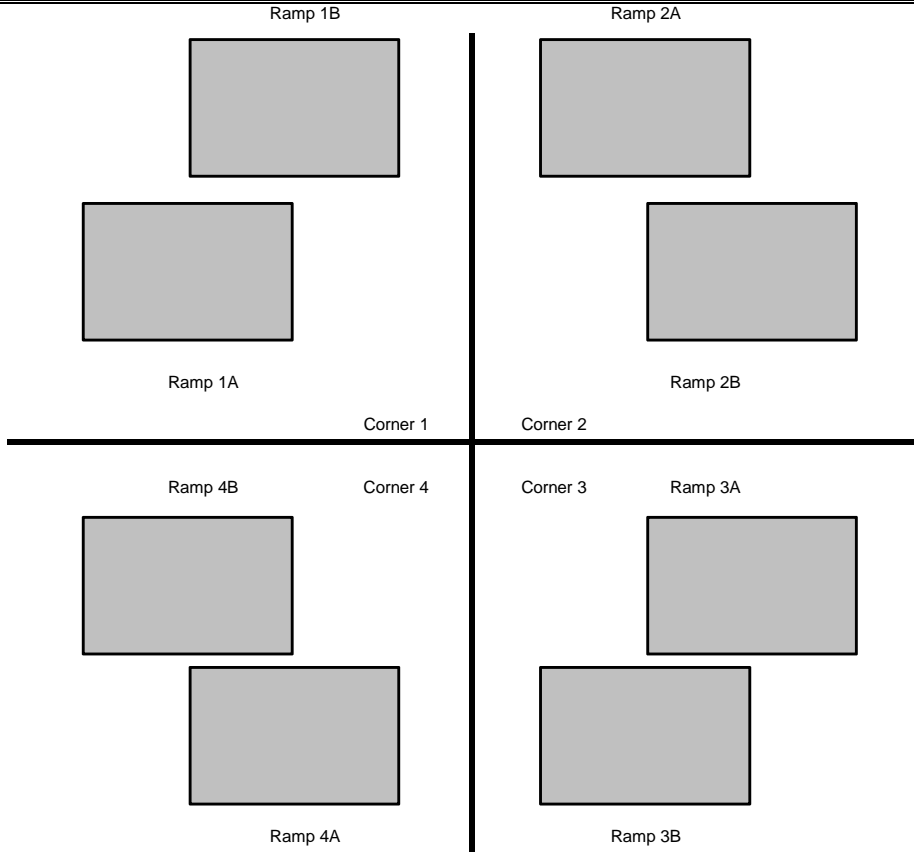
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	-	
Crosswalk striping	-	N/A	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E 17th Pl (east)

GPS ID: 3012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,424.00
Engineering: (% +/-)	15%	\$ 3,675.43
Contingency: (% +/-)	20%	\$ 4,900.57
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

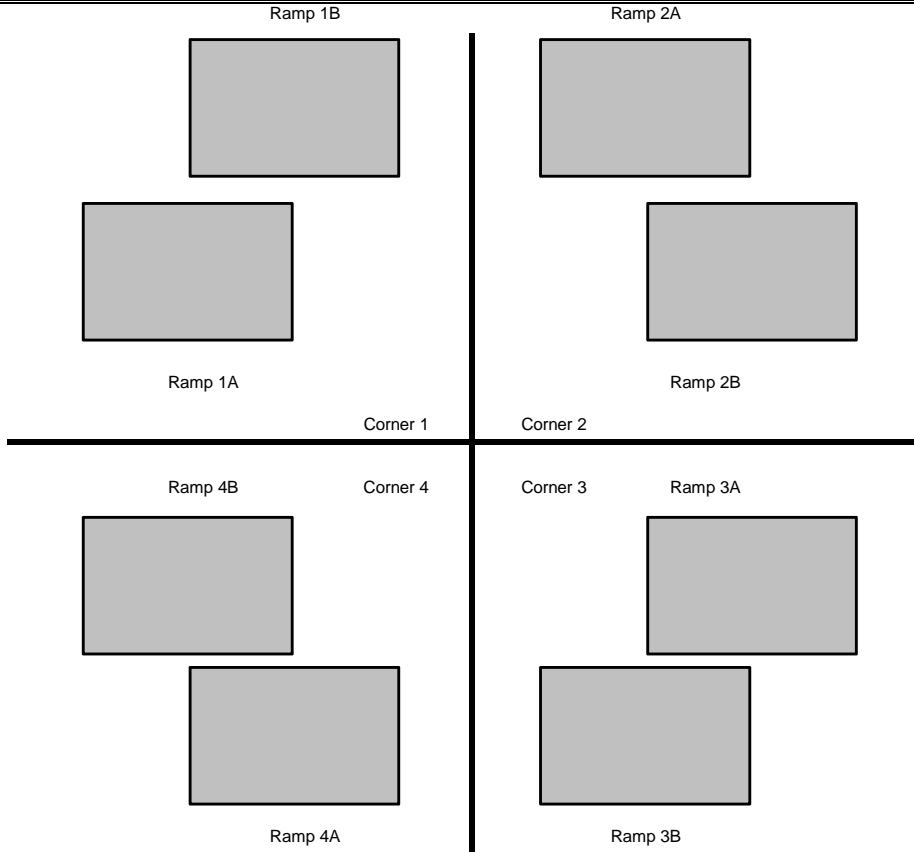
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Poor	-	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	X	-	X	
Crosswalk striping	-	No	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk			X		X				
Ramp does not exist and is needed							X		Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Install colored truncated domes
Ramp width is less than 36"	X						X		
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and Swan Dr

GPS ID: 3013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,904.00
Engineering: (% +/-)	15%	\$ 2,612.57
Contingency: (% +/-)	20%	\$ 3,483.43
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

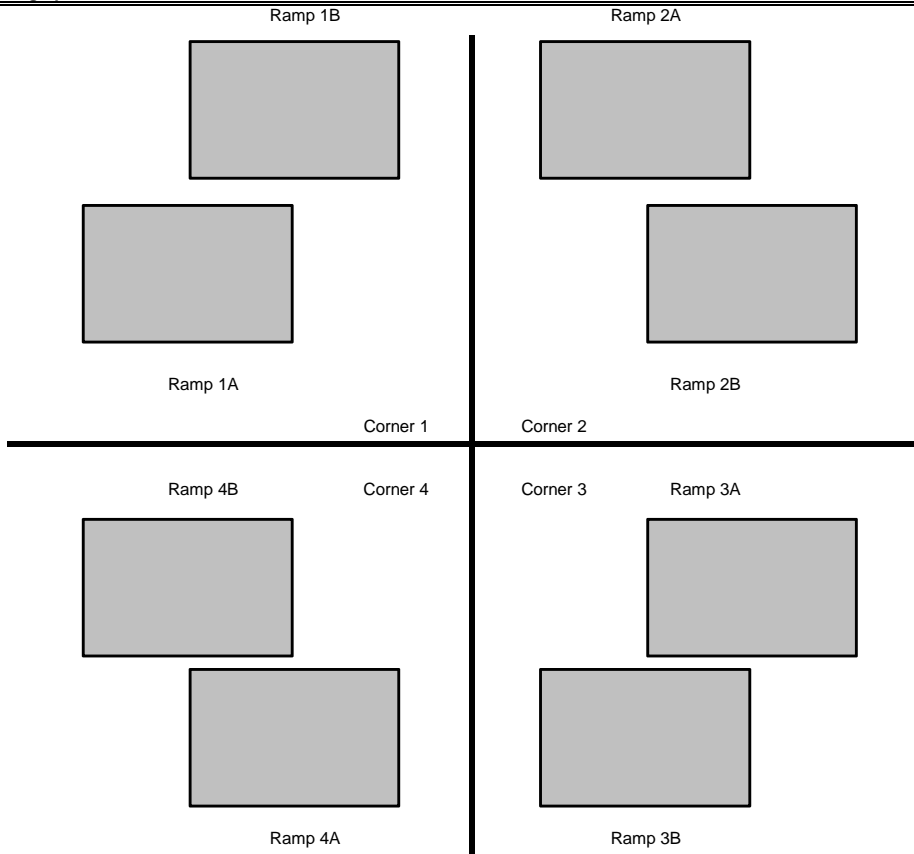
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	Good	
Crosswalk cross slope is greater than 2%	-	N/A	-	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	-	N/A	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		Regrade roadway
Ramp transition onto roadway is greater than 0.25"							X		
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Admiral PI

GPS ID: 3014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

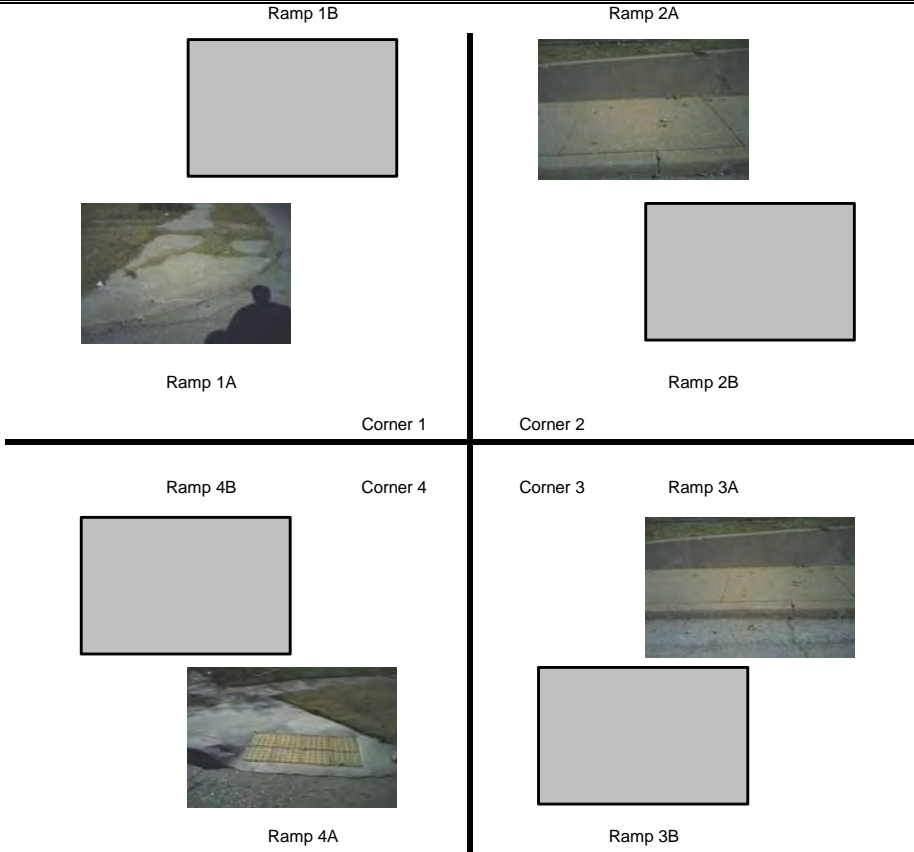
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Archer St

GPS ID: 3015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	50.02	SY	\$ 10.00	\$ 500.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,553.40
Engineering: (% +/-)	15%	\$ 3,191.40
Contingency: (% +/-)	20%	\$ 4,255.20
Estimated Project Cost:	\$	28,000.00

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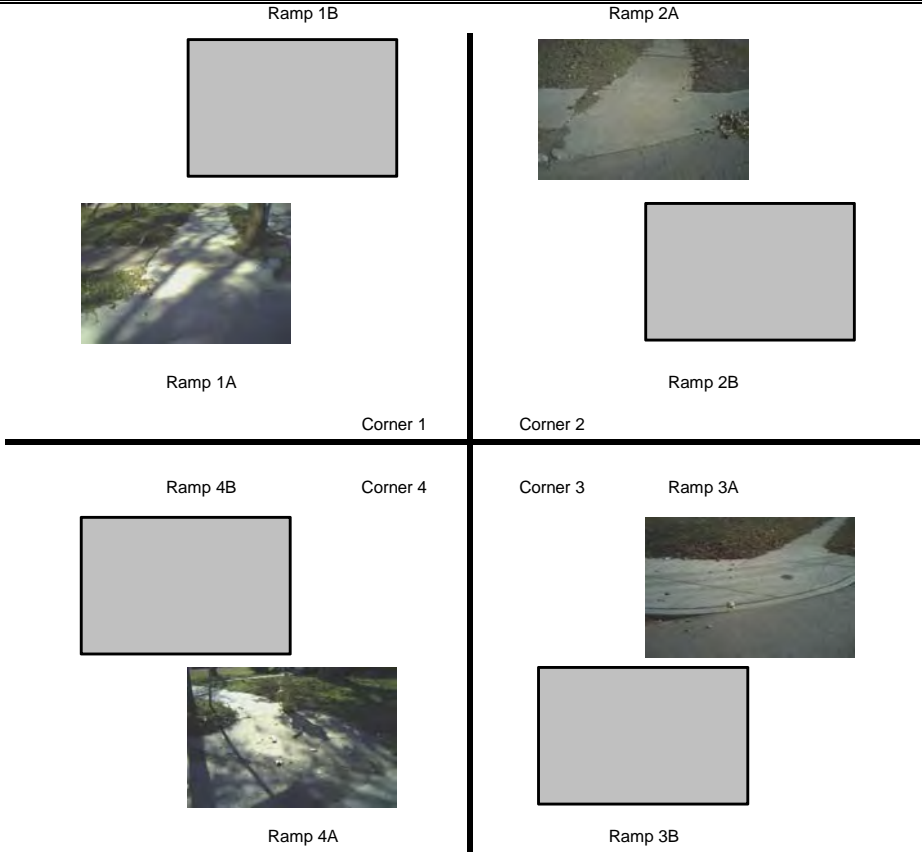
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp								X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Easton St

GPS ID: 3016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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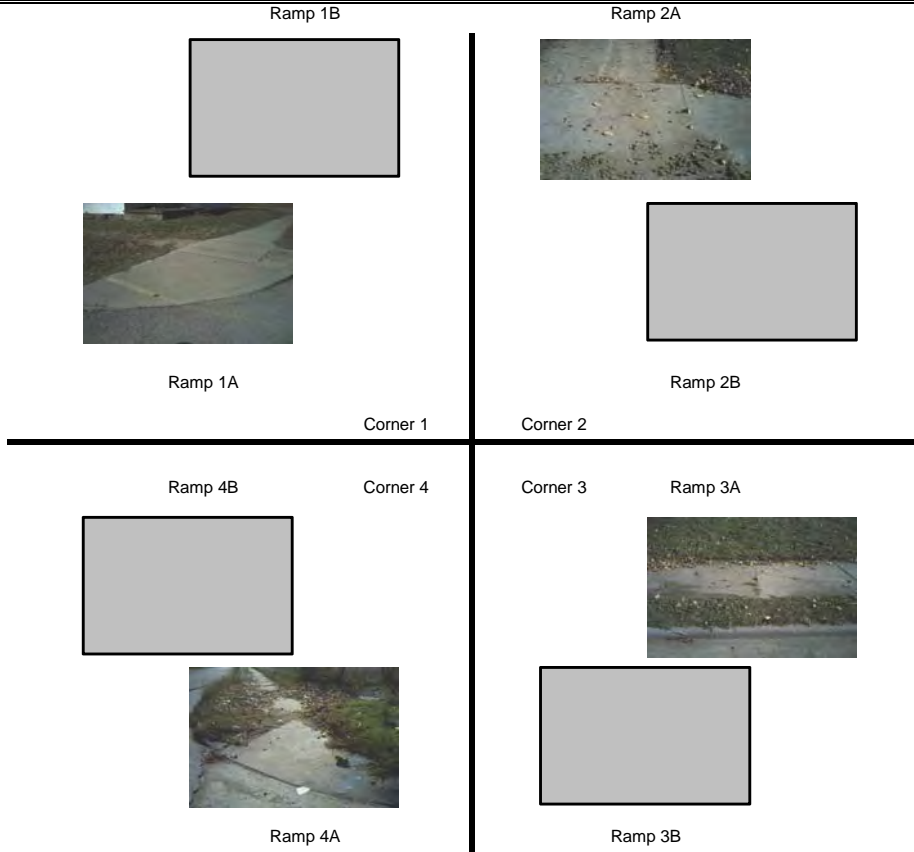
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	Remove and replace ramp
Ramp cross slope is greater than 2%	X							X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Haskell St (east)

GPS ID: 3017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,623.20
Engineering: (% +/-)	15%	\$ 1,447.20
Contingency: (% +/-)	20%	\$ 1,929.60
Estimated Project Cost:	\$	12,000.00

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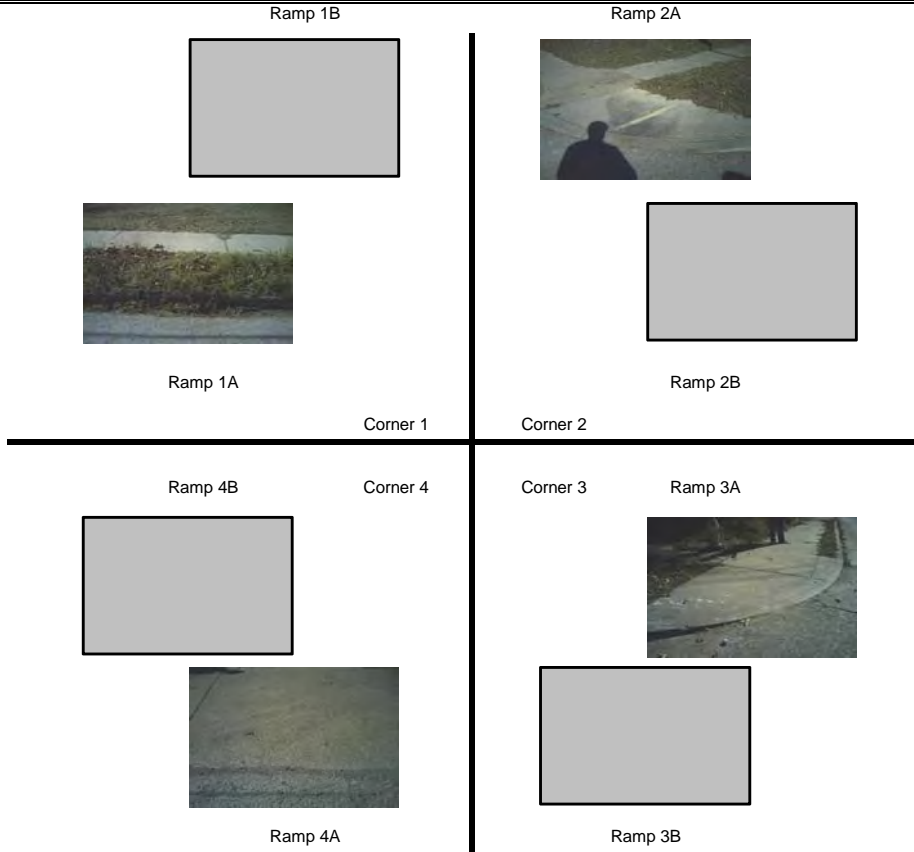
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Haskell St (west)

GPS ID: 3018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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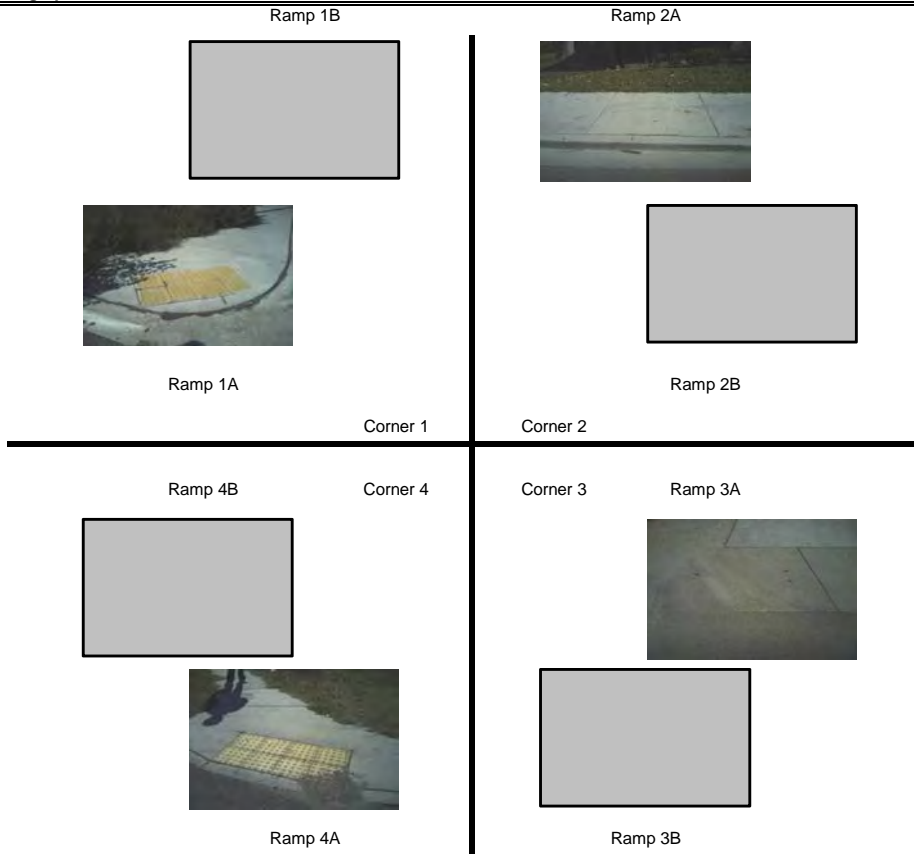
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Independence St

GPS ID: 3019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X							X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Jasper St

GPS ID: 3020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,684.60
Engineering: (% +/-)	15%	\$ 2,706.60
Contingency: (% +/-)	20%	\$ 3,608.80
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

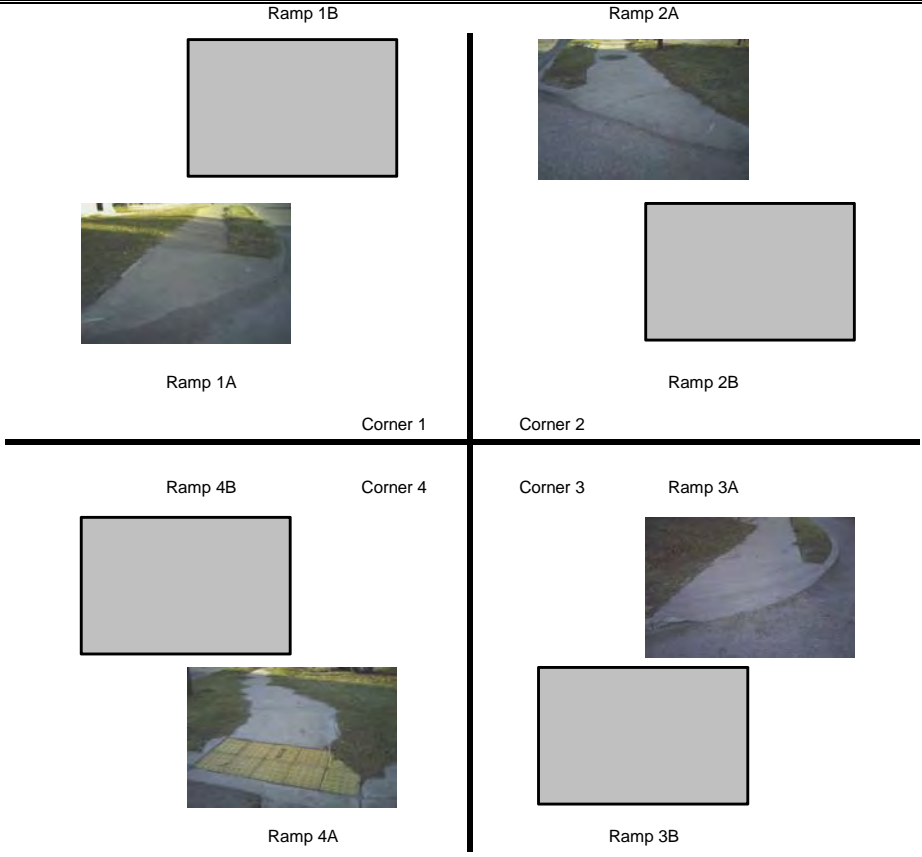
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Danger	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				
No color contrast at base of ramp	X		X		X				Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X		X		
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	M		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E King St

GPS ID: 3021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,246.40
Engineering: (% +/-)	15%	\$ 2,894.40
Contingency: (% +/-)	20%	\$ 3,859.20
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

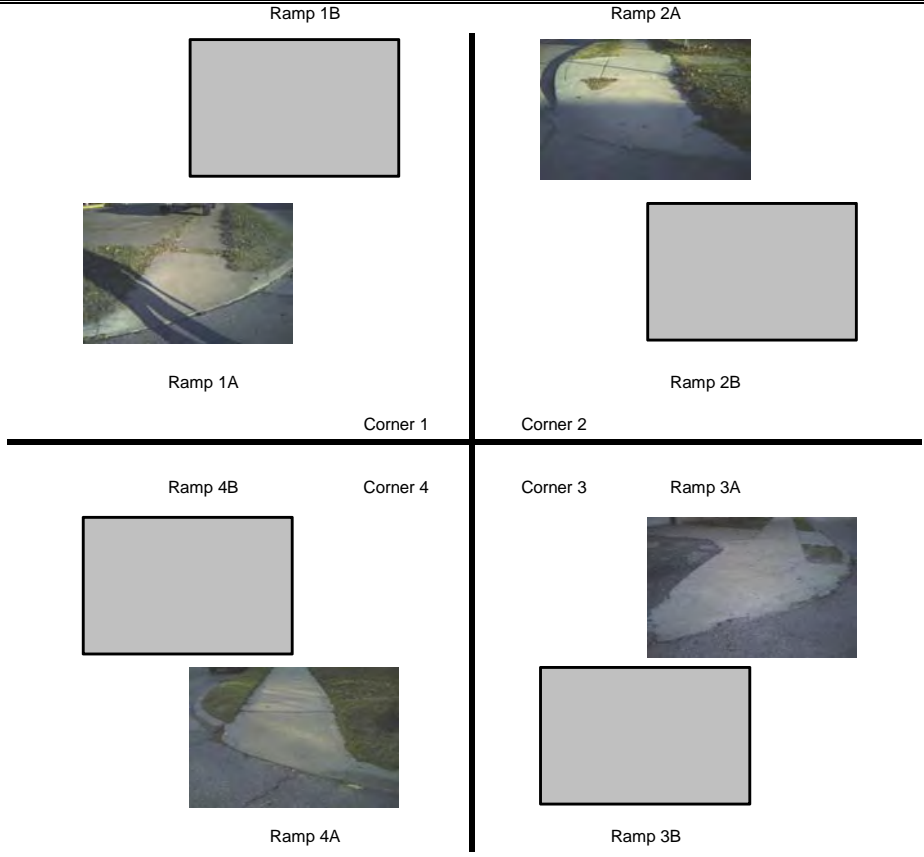
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X	X	Install colored truncated domes
No color contrast at base of ramp	X		X		X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E King Pl

GPS ID: 3022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

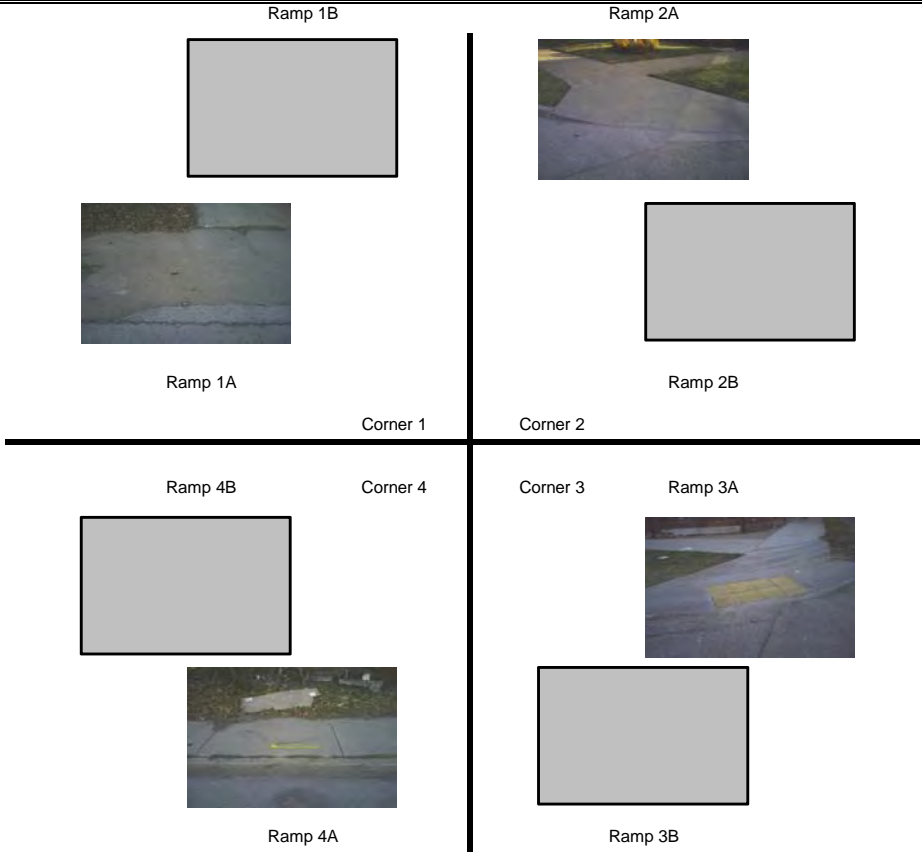
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						
No color contrast at base of ramp			X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	-		M		M		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Latimer St

GPS ID: 3023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,874.20
Engineering: (% +/-)	15%	\$ 1,768.20
Contingency: (% +/-)	20%	\$ 2,357.60
Estimated Project Cost:	\$	15,000.00

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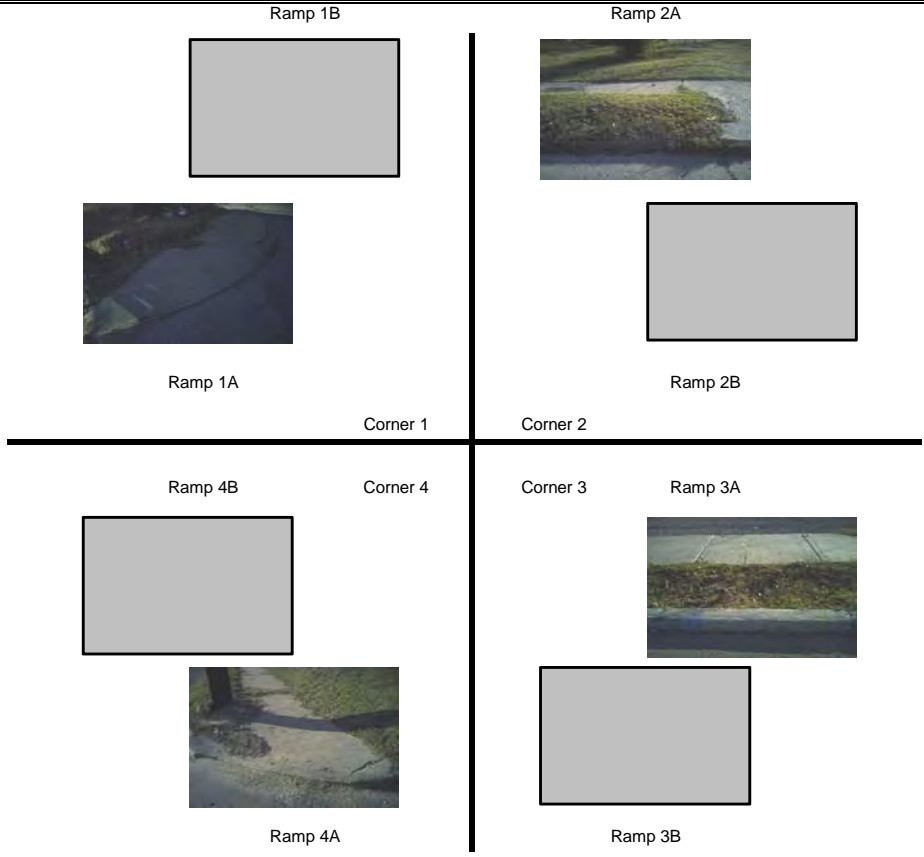
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Latimer PI

GPS ID: 3024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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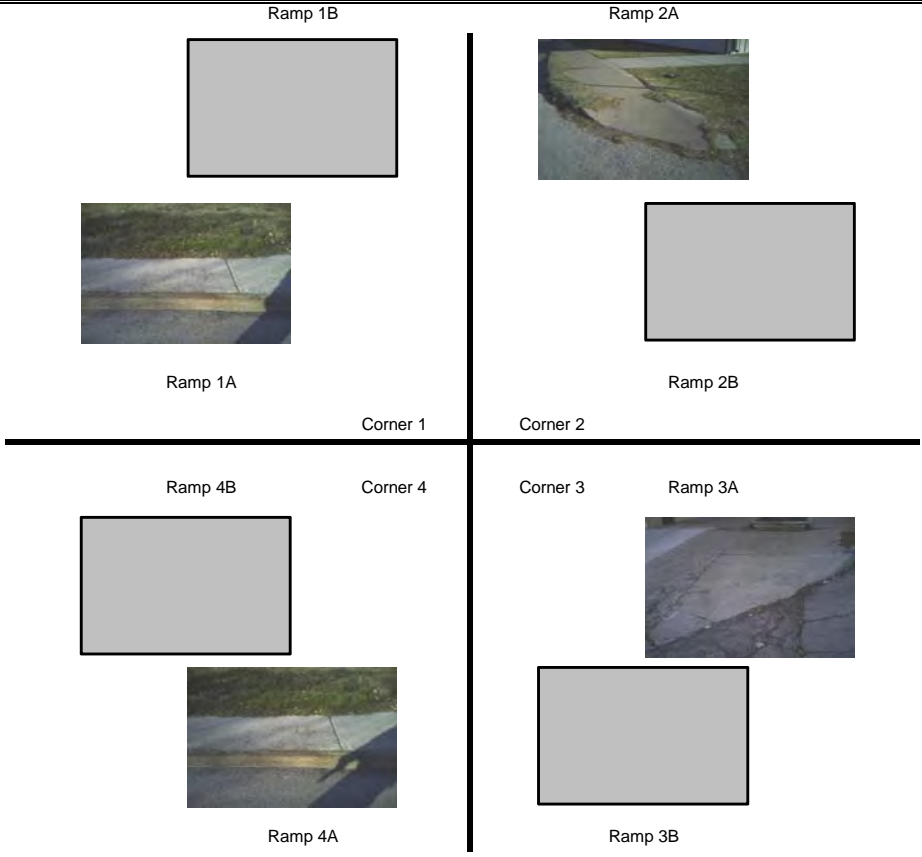
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	-	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Latimer Ct

GPS ID: 3025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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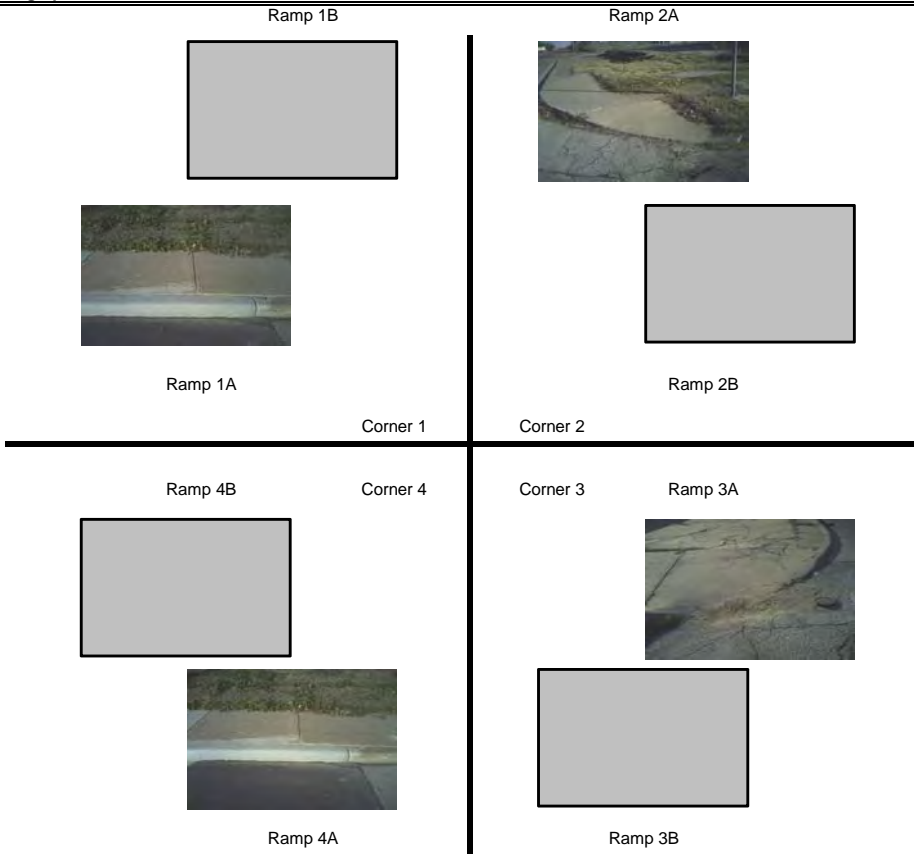
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:			H	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Marshall St

GPS ID: 3026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,057.80
Engineering: (% +/-)	15%	\$ 3,832.37
Contingency: (% +/-)	20%	\$ 5,109.83
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

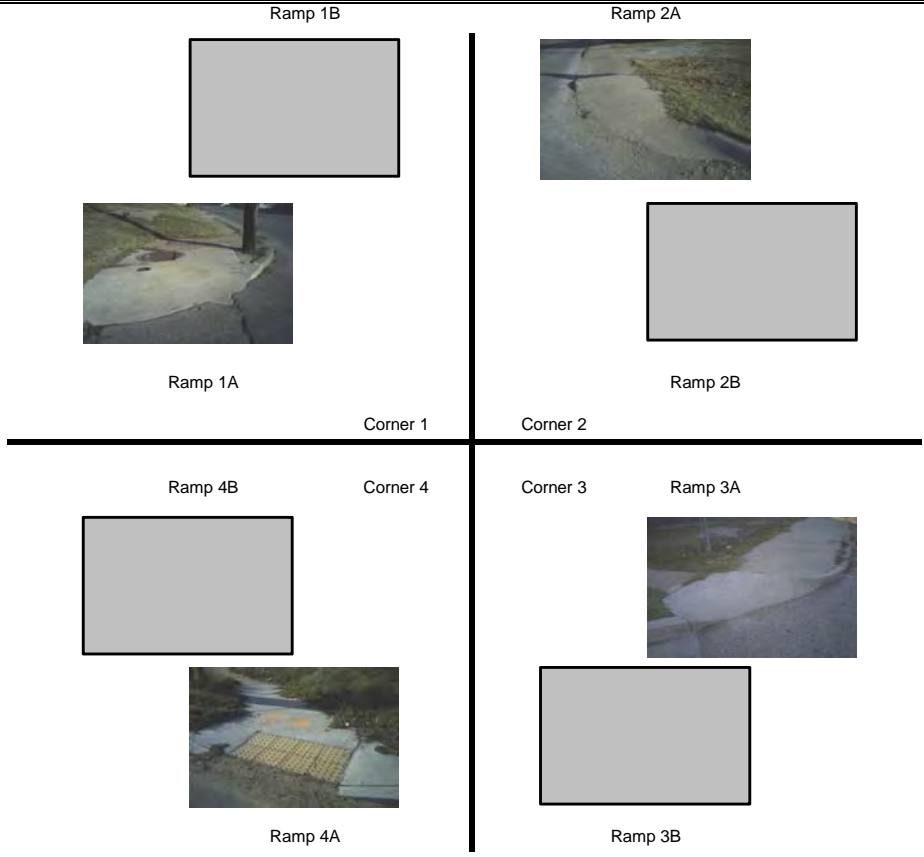
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X	X				
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X	X				
No color contrast at base of ramp	X		X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X				X		Regrade roadway
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	M		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Marshall Pl

GPS ID: 3027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

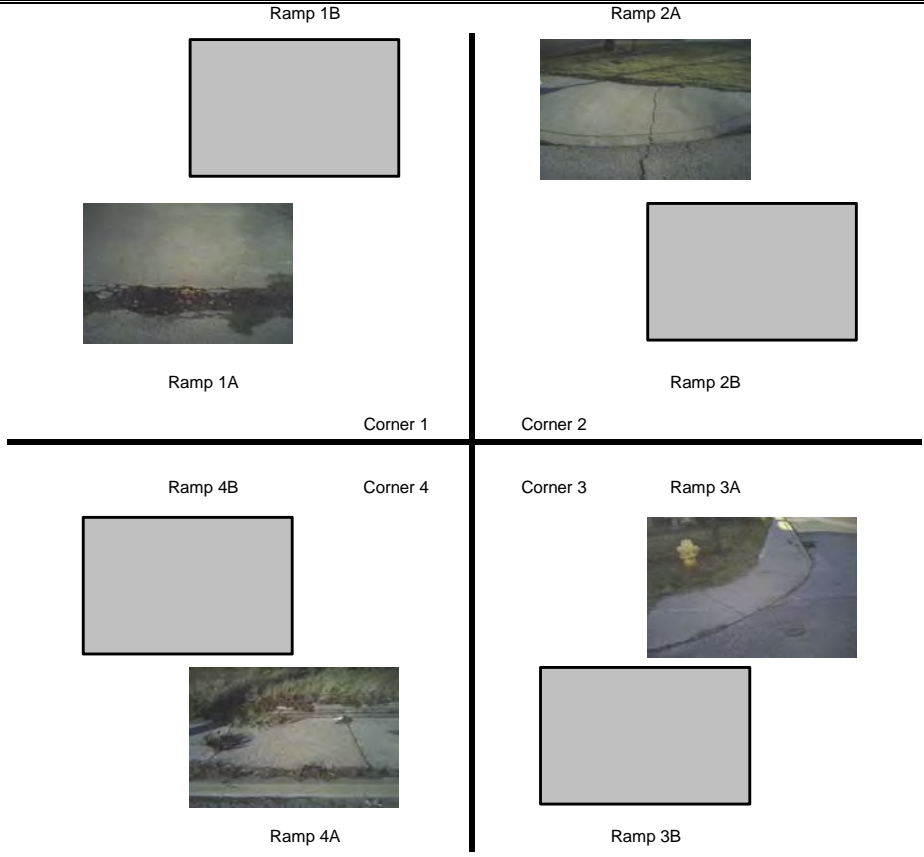
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Newton St

GPS ID: 3028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,712.00
Engineering: (% +/-)	15%	\$ 1,409.14
Contingency: (% +/-)	20%	\$ 1,878.86
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Newton PI

GPS ID: 3029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	520.00
Engineering: (% +/-)	15%	\$ 205.71
Contingency: (% +/-)	20%	\$ 274.29
Estimated Project Cost:	\$	1,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

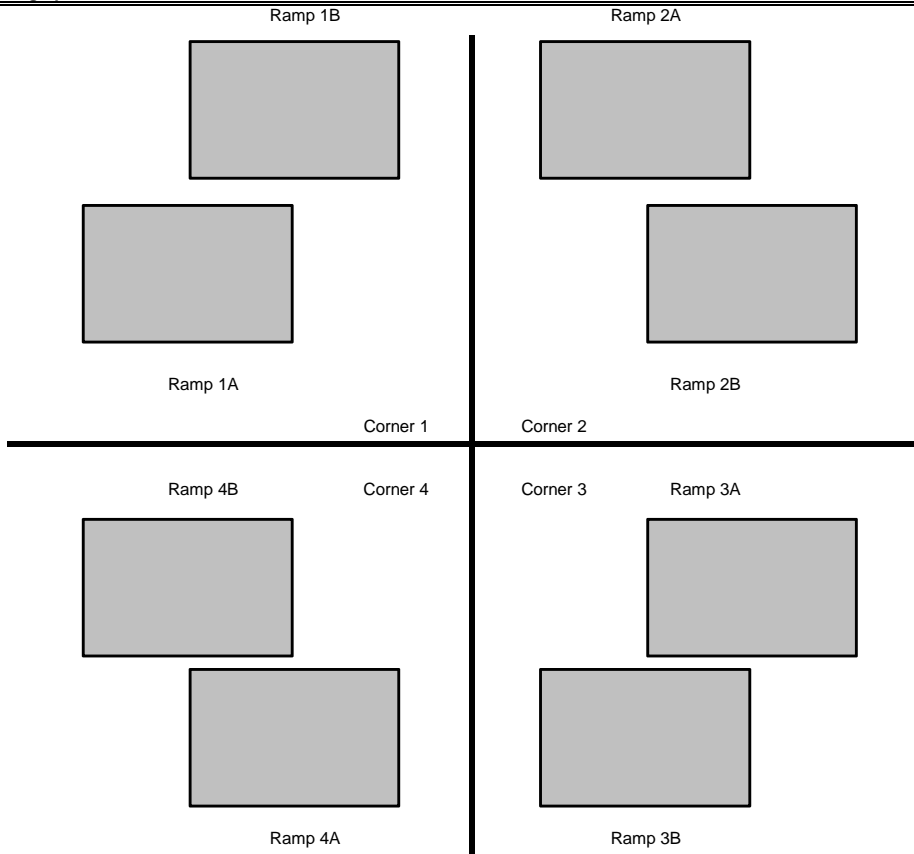
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Oklahoma St

GPS ID: 3030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,746.60
Engineering: (% +/-)	15%	\$ 4,394.31
Contingency: (% +/-)	20%	\$ 5,859.09
Estimated Project Cost:	\$	38,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

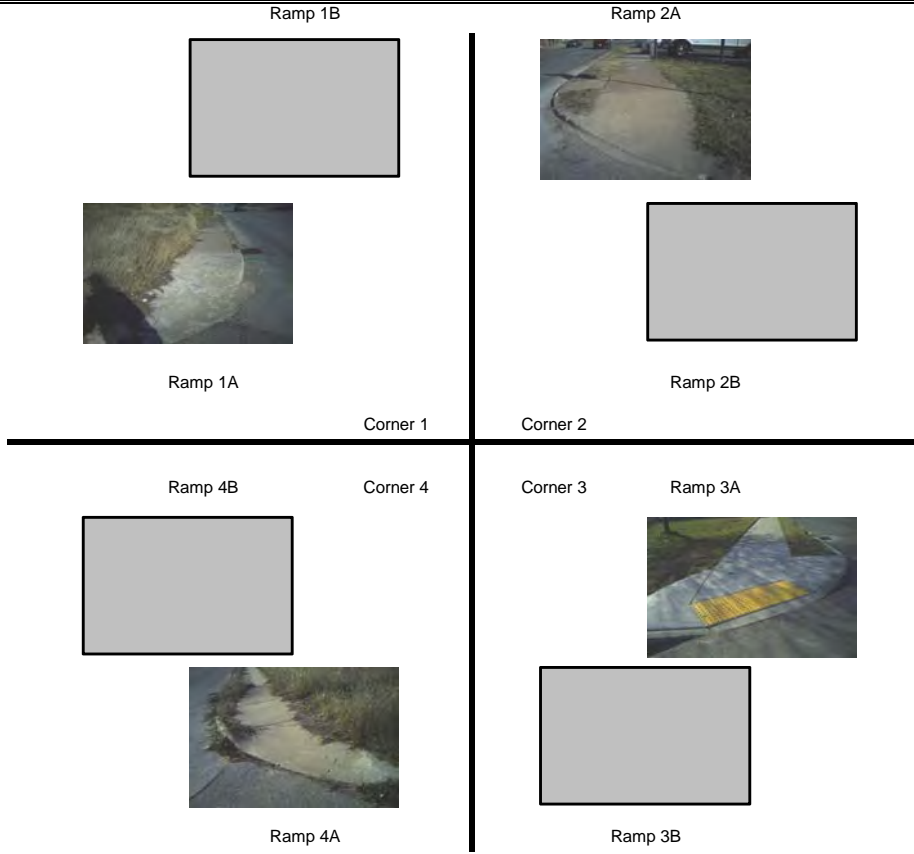
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk								X	
Ramp does not exist and is needed								X	Remove and replace ramp
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X				X			X	Install colored truncated domes
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X		X					X	
No color contrast at base of ramp	X		X					X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X							X	Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	M		M		M			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Ave and E Oklahoma PI

GPS ID: 3031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,057.80
Engineering: (% +/-)	15%	\$ 3,832.37
Contingency: (% +/-)	20%	\$ 5,109.83
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X				X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Quaker Ave and E 11th St

GPS ID: 4000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	240	LF	\$ 6.50	\$ 1,560.00
5	PAVEMENT MARKING REMOVAL	80	LF	\$ 2.00	\$ 160.00
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

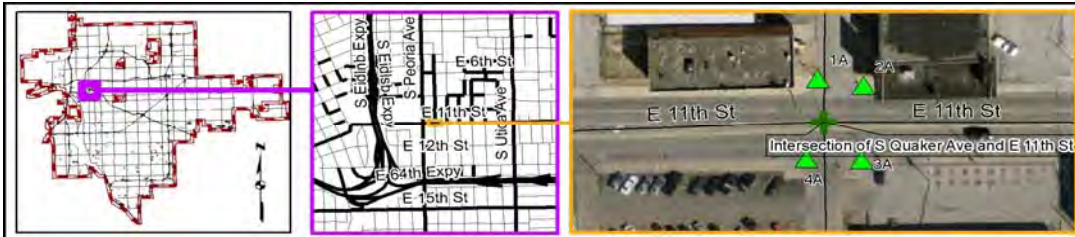
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,932.80
Engineering: (% +/-)	15%	\$ 2,171.66
Contingency: (% +/-)	20%	\$ 2,895.54
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

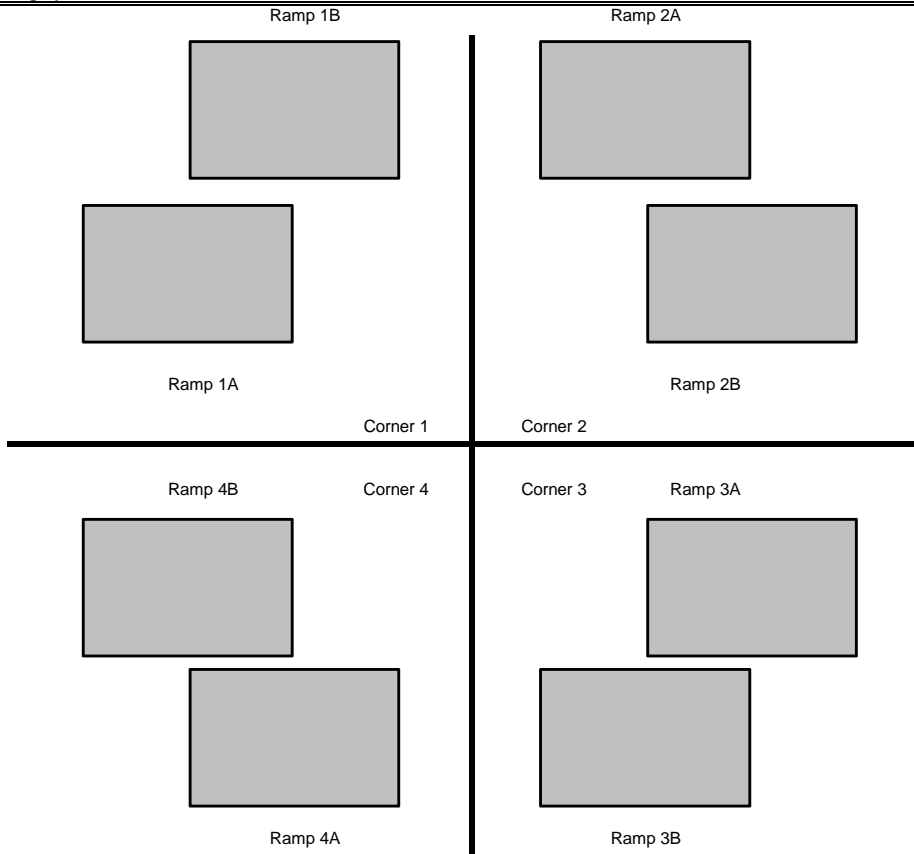
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X			X	
Ramp running slope is greater than 8.33%									Install colored truncated domes
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X		X			X	Install landing area
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H			M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Quincy Ave and E 11th St

GPS ID: 4001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,252.80
Engineering: (% +/-)	15%	\$ 2,463.09
Contingency: (% +/-)	20%	\$ 3,284.11
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

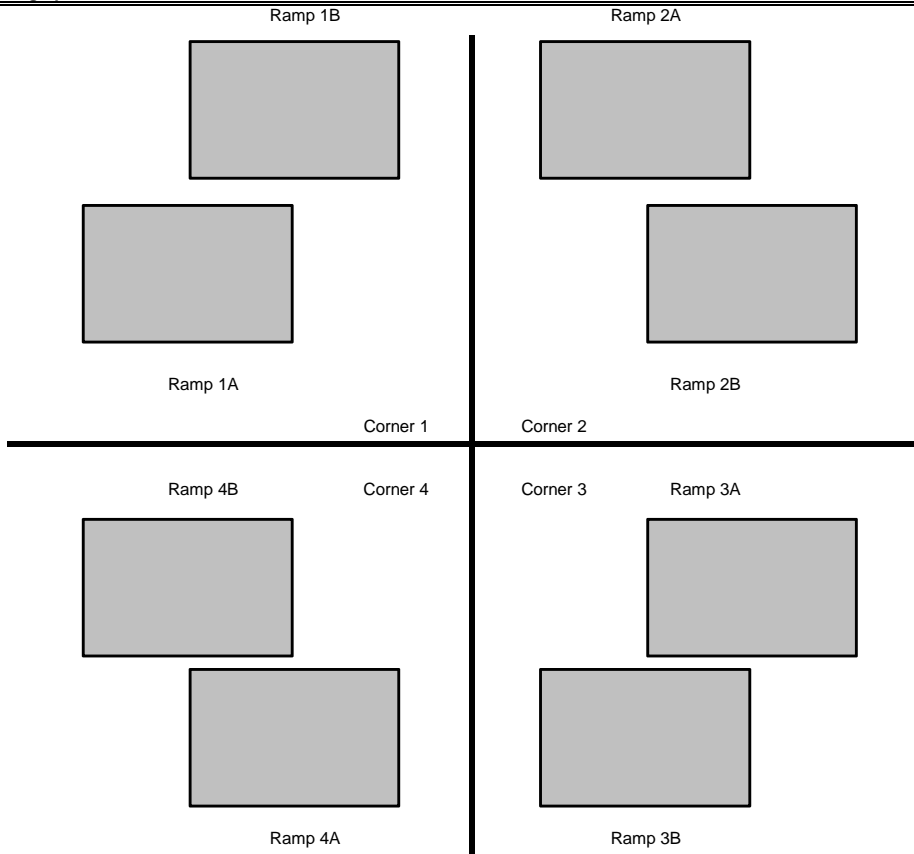
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%	X		X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X			X					
No textured surface at base of ramp	X		X	X		X			Install colored truncated domes
No color contrast at base of ramp	X		X	X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X							X	
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Rockford Ave and E 11th St

GPS ID: 4002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	15,252.80
Engineering: (% +/-)	15%	\$	2,463.09
Contingency: (% +/-)	20%	\$	3,284.11
Estimated Project Cost:		\$	21,000.00

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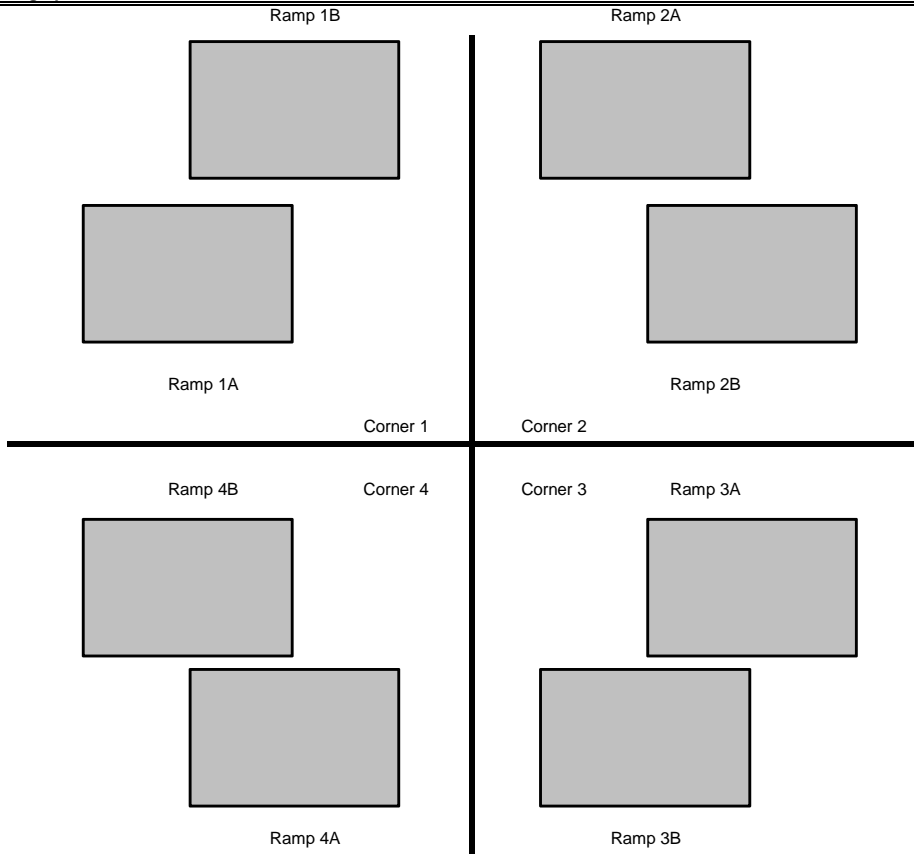
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X				
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S StLouis Ave

GPS ID: 4003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,426.97
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

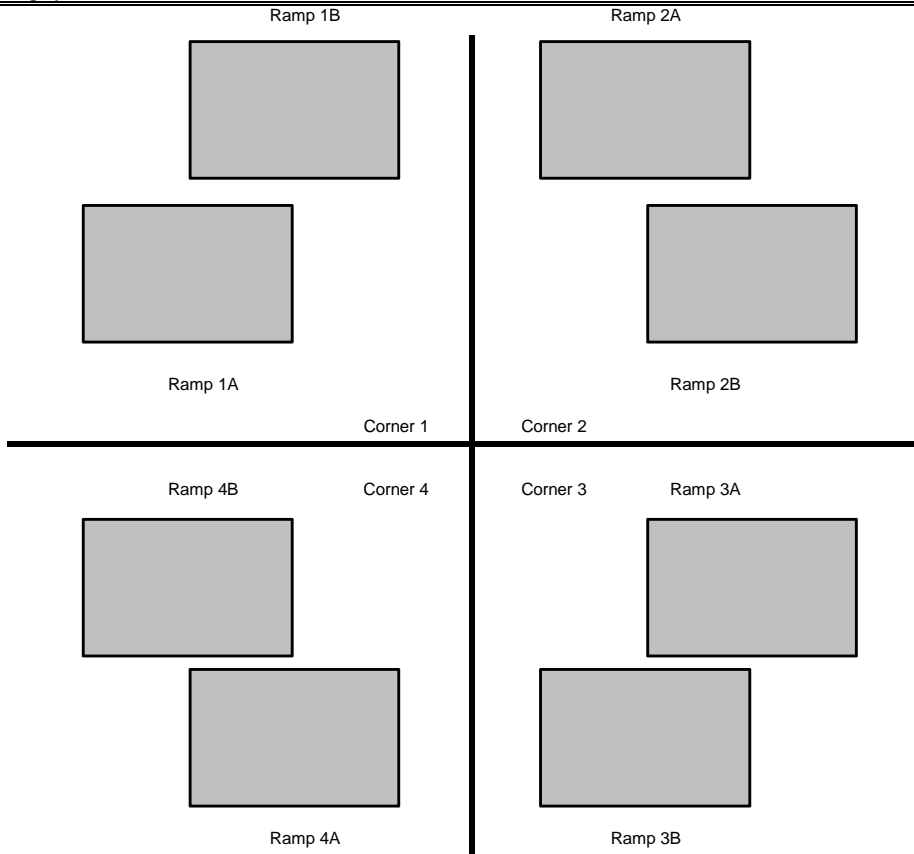
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%	X		X		X	X			
Ramp cross slope is greater than 2%	X		X			X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X	X			
No color contrast at base of ramp	X		X		X	X			Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Trenton Ave and E 11th St

GPS ID: 4004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,252.80
Engineering: (% +/-)	15%	\$ 2,463.09
Contingency: (% +/-)	20%	\$ 3,284.11
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

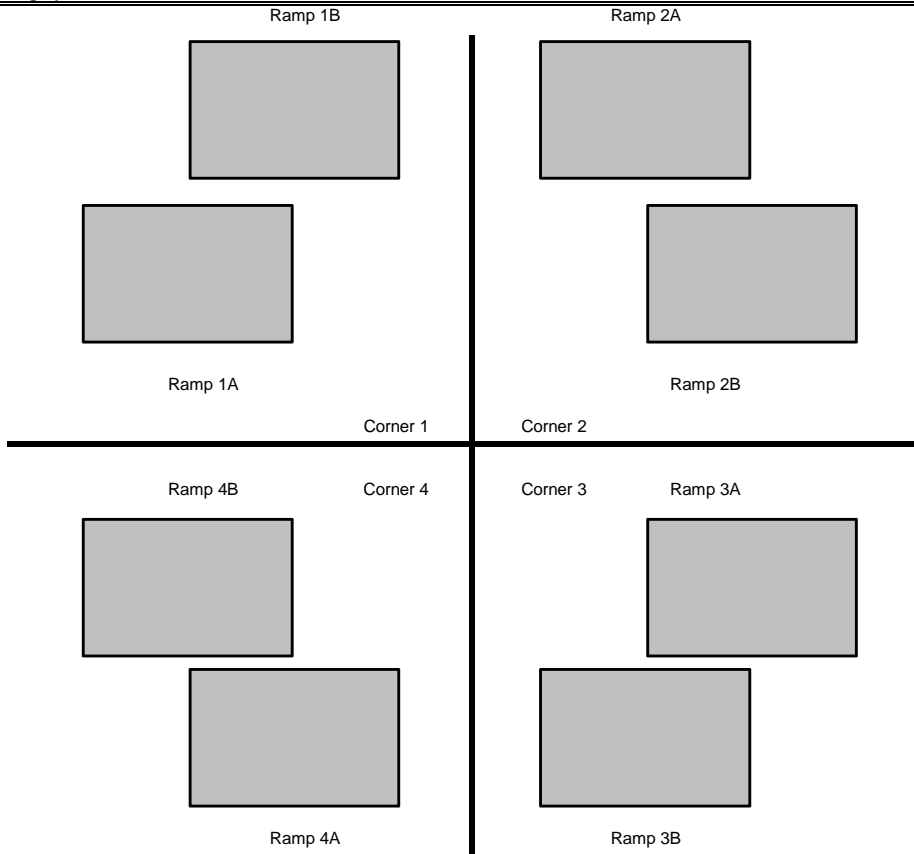
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X	X	X	
Ramp running slope is greater than 8.33%					X	X	X	X	
Ramp cross slope is greater than 2%								X	Remove and replace ramp
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area	X		X					X	
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Troost Ave

GPS ID: 4005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,623.20
Engineering: (% +/-)	15%	\$ 1,447.20
Contingency: (% +/-)	20%	\$ 1,929.60
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

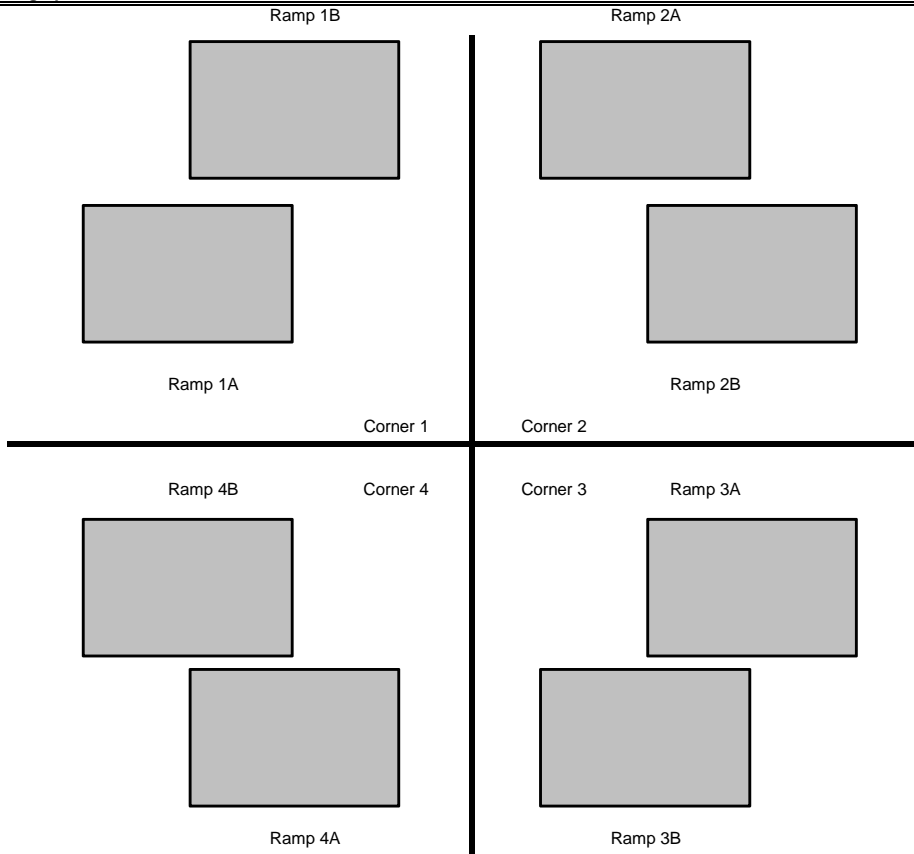
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Utica Pl and E 11th St

GPS ID: 4006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,669.83
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

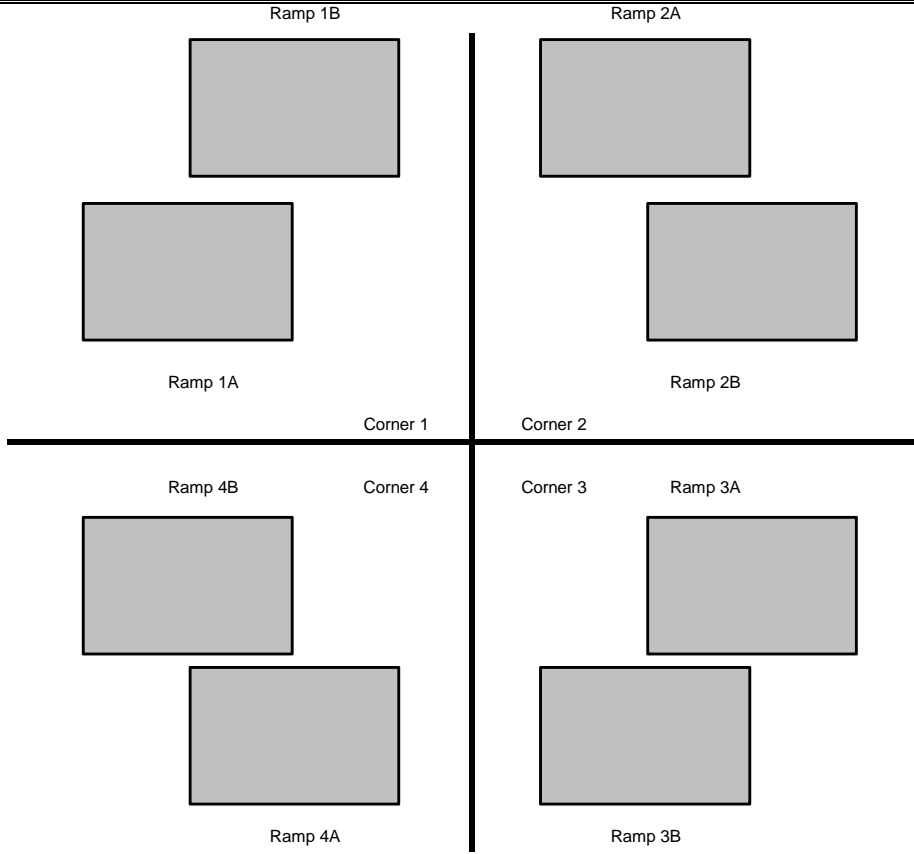
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%	X				X			X	
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Victor Ave

GPS ID: 4007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,561.60
Engineering: (% +/-)	15%	\$ 4,045.03
Contingency: (% +/-)	20%	\$ 5,393.37
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

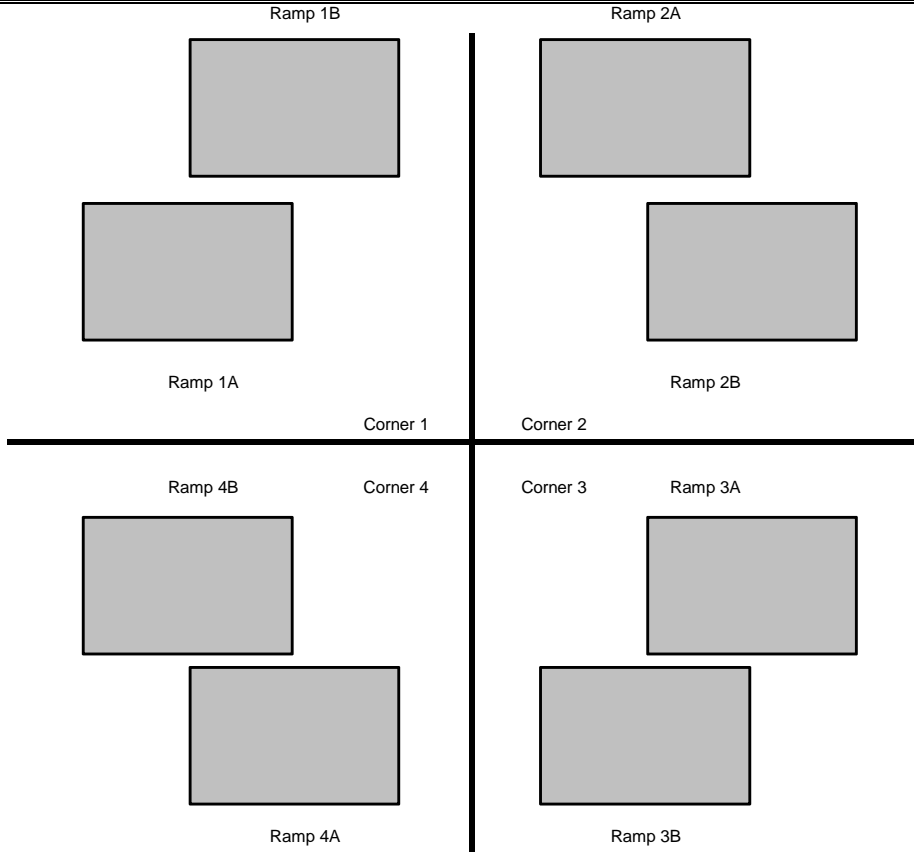
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%	X		X						Install colored truncated domes
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area	X		X		X				
No textured surface at base of ramp	X		X		X		X		Regrade roadway
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Wheeling Ave

GPS ID: 4008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,700.60
Engineering: (% +/-)	15%	\$ 3,985.46
Contingency: (% +/-)	20%	\$ 5,313.94
Estimated Project Cost:	\$	34,000.00

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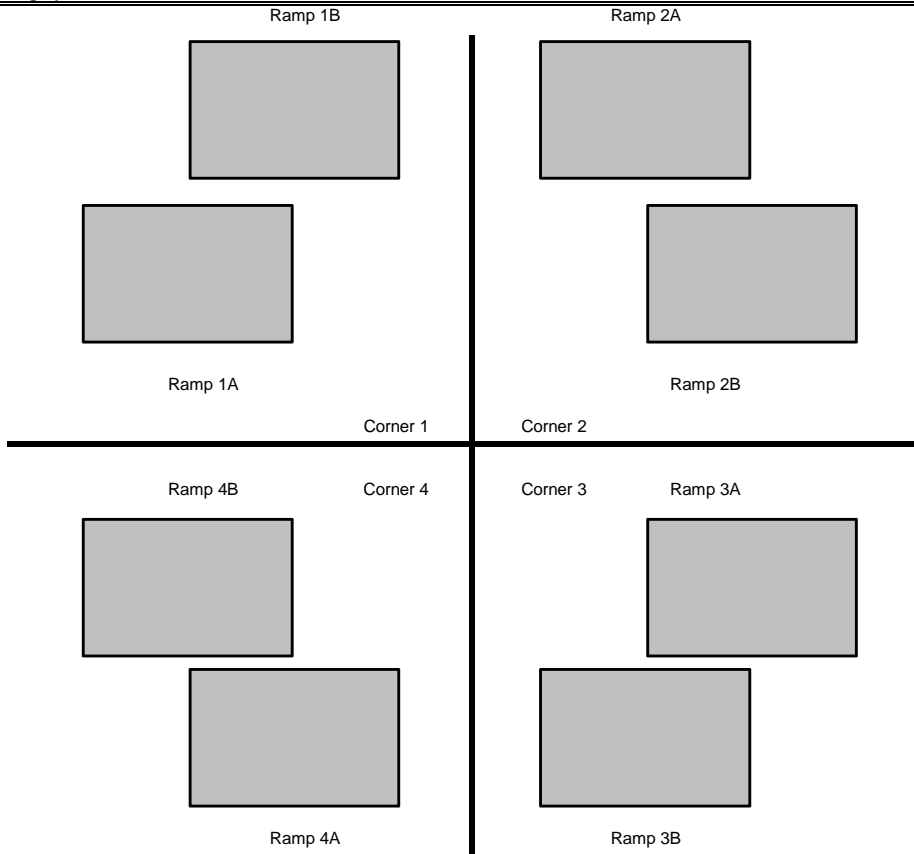
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X		
Ramp running slope is greater than 8.33%			X	X	X	X	X		
Ramp cross slope is greater than 2%			X	X	X	X	X		
Ramp width is less than 36"			X	X	X	X	X		
Obstruction present in ramp or landing area					X				Install colored truncated domes
No textured surface at base of ramp			X	X	X	X	X		
No color contrast at base of ramp			X	X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Xanthus Ave and E 11th St

GPS ID: 4009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	21,252.80
Engineering: (% +/-)	15%	\$	3,320.23
Contingency: (% +/-)	20%	\$	4,426.97
Estimated Project Cost:	\$	\$	29,000.00

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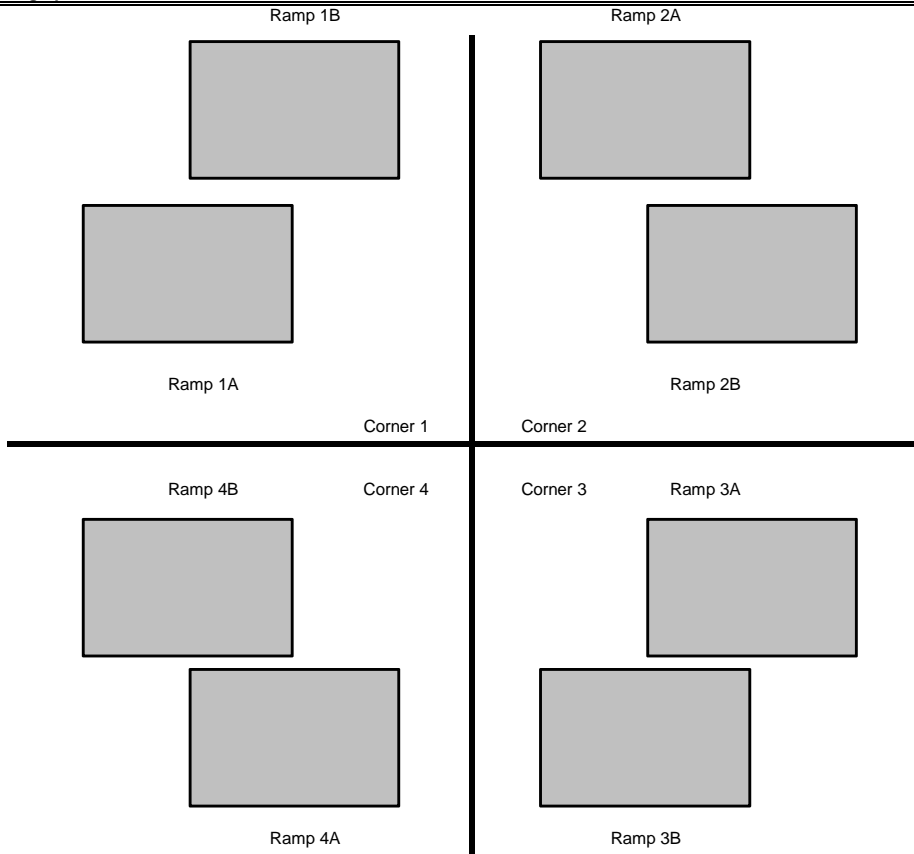
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%	X		X	X					
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X	X				Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X		X	X	X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Xanthus PI

GPS ID: 4010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	33,000.00

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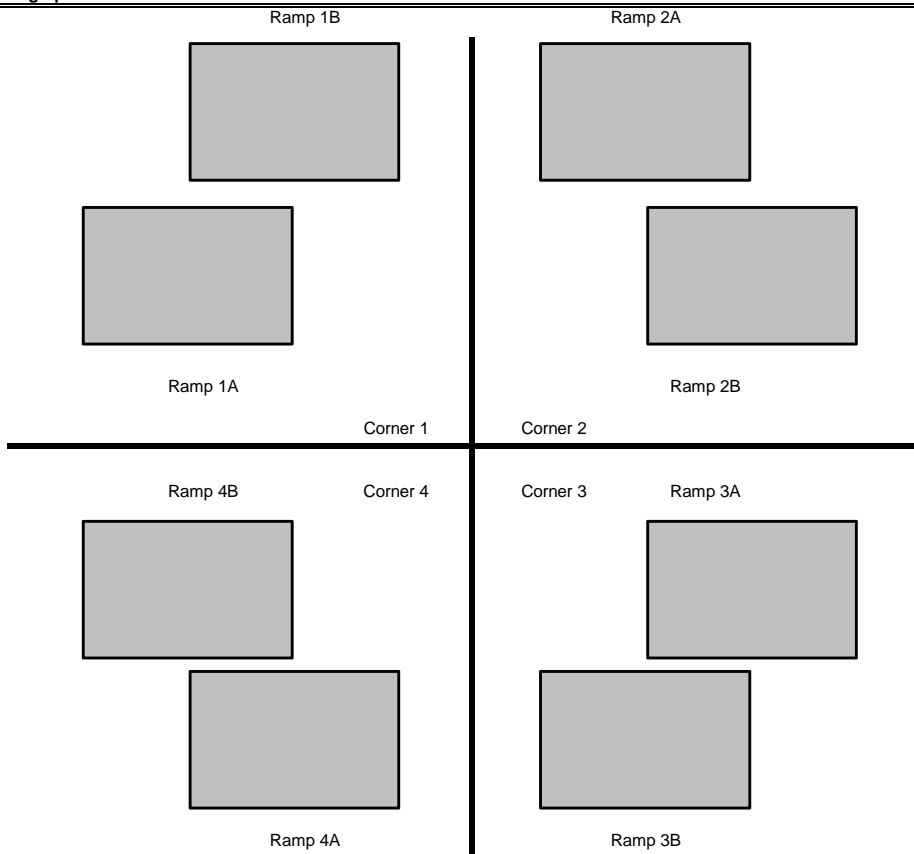
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk									Remove and replace ramp	
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X		X		X		X			
Ramp running slope is greater than 8.33%	X		X		X		X			
Ramp cross slope is greater than 2%	X		X		X		X			
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp	X		X		X		X			Install colored truncated domes
No color contrast at base of ramp										
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area	
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway	
Ponding occurs at base of ramp	X									
Ramp not needed due to existing geometry										
Ramp Priority:	H		H		H		H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yorktown Ave and E 11th St

GPS ID: 4011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,426.97
Estimated Project Cost:	\$	28,000.00

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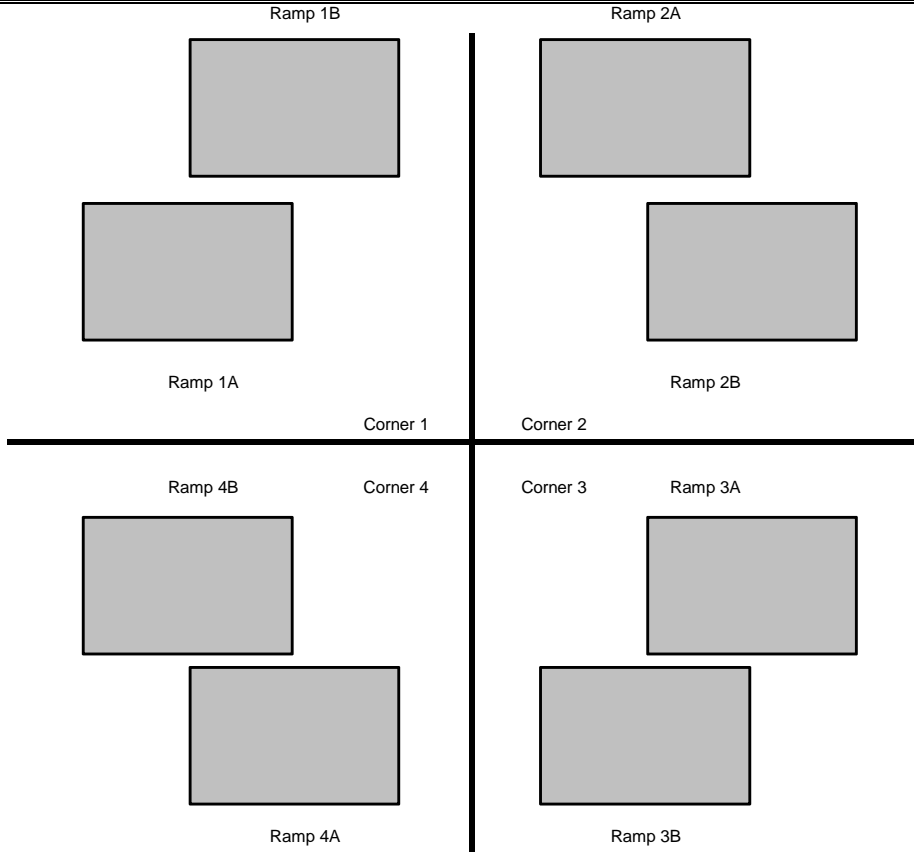
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%	X		X		X			X	
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X							X	
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



End of Project Description for Project 4011 Intersection of S Yorktown Ave and E 11th St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Zunis Ave

GPS ID: 4012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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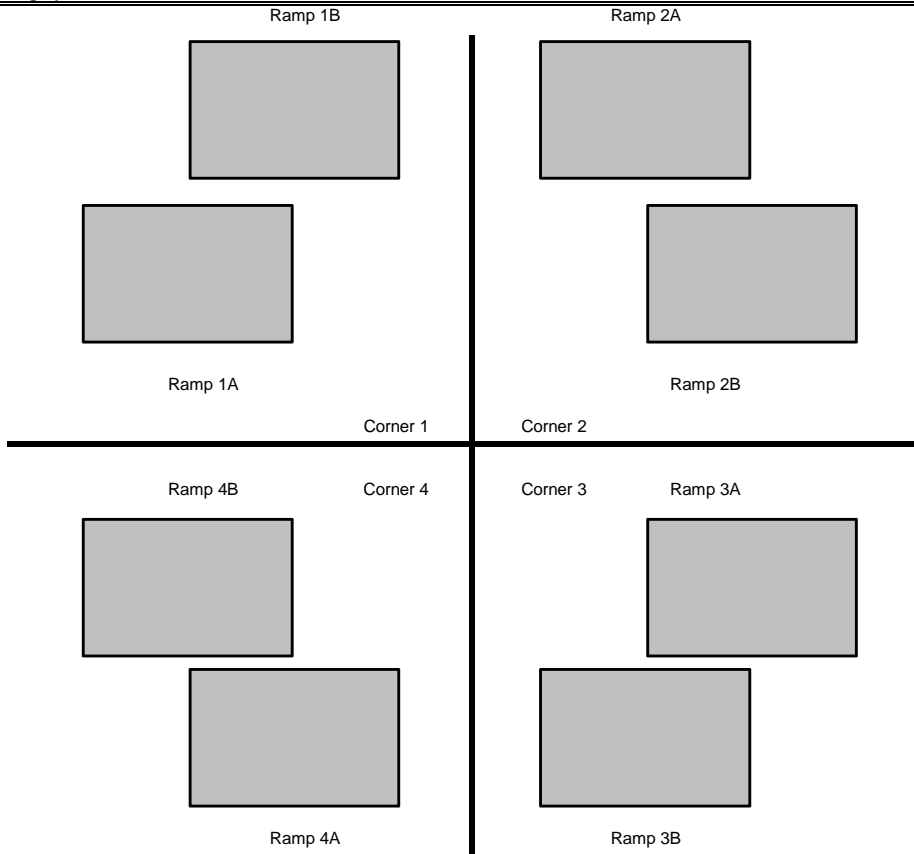
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Gillette Ave

GPS ID: 4013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,777.60
Engineering: (% +/-)	15%	\$ 952.46
Contingency: (% +/-)	20%	\$ 1,269.94
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

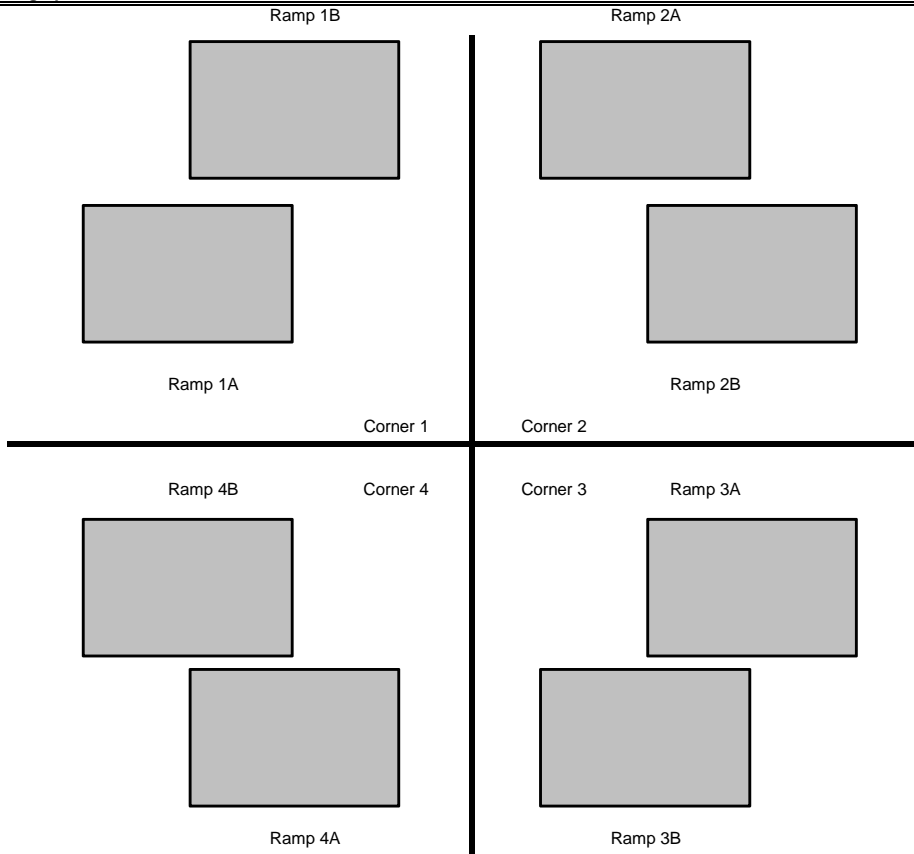
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Quaker Ave

GPS ID: 5000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,749.60
Engineering: (% +/-)	15%	\$ 3,964.46
Contingency: (% +/-)	20%	\$ 5,285.94
Estimated Project Cost:	\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

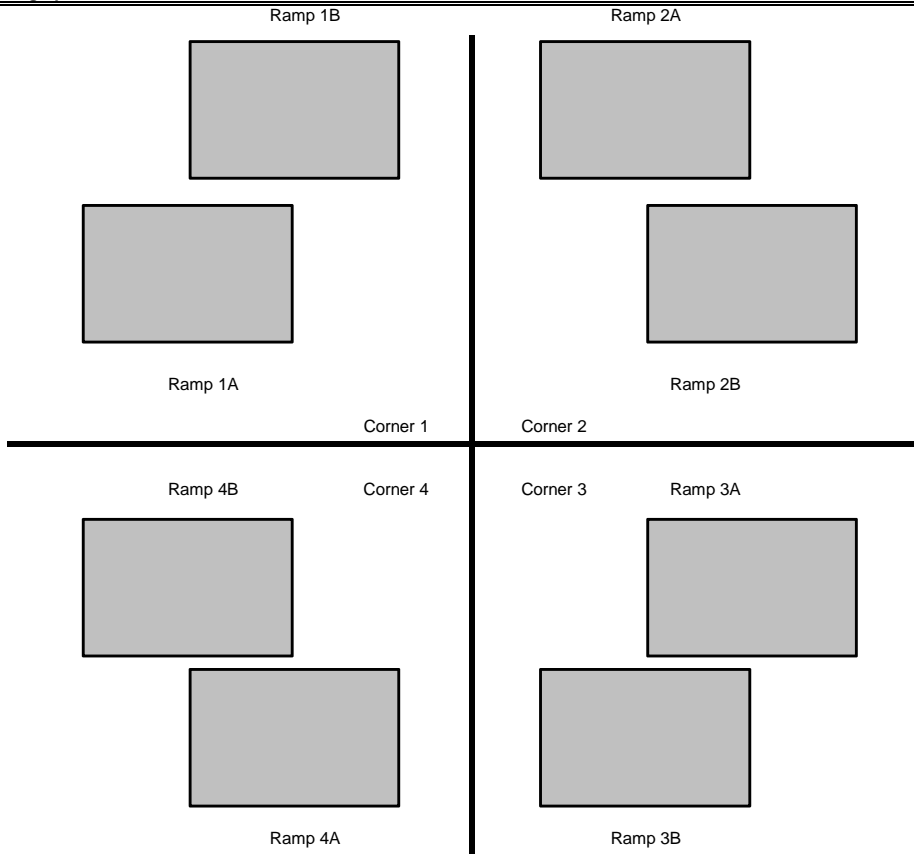
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	Worn	N/A	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X		
Ramp running slope is greater than 8.33%				X	X	X	X		
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X				X		Install landing area
No textured surface at base of ramp	X	X	X	X					
No color contrast at base of ramp	X	X	X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X	X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X	X	X	X					
Ponding occurs at base of ramp	X	X	X	X					
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Quincy Ave

GPS ID: 5001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,036.00
Engineering: (% +/-)	15%	\$ 3,841.71
Contingency: (% +/-)	20%	\$ 5,122.29
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

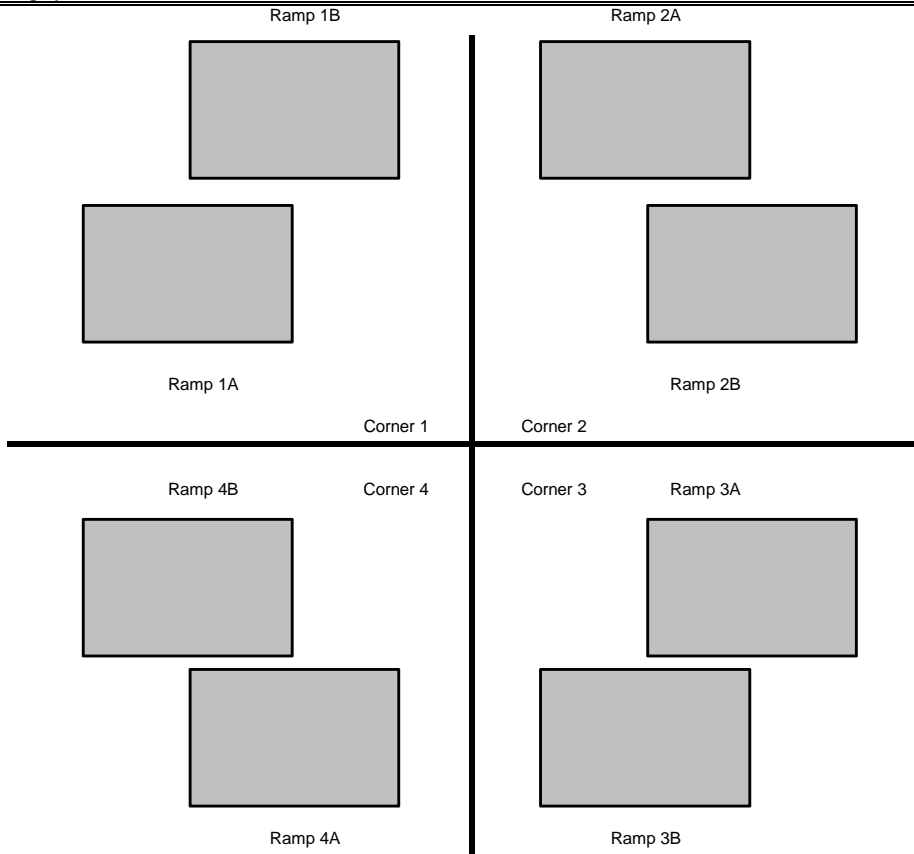
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	Yes	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk				X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed				X			X		Remove and replace ramp
Flare cross slope is greater than 10%				X			X		
Ramp running slope is greater than 8.33%	X		X	X	X		X		
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X					Install colored truncated domes
No color contrast at base of ramp	X		X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Rockford Ave

GPS ID: 5002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,212.80
Engineering: (% +/-)	15%	\$ 2,480.23
Contingency: (% +/-)	20%	\$ 3,306.97
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

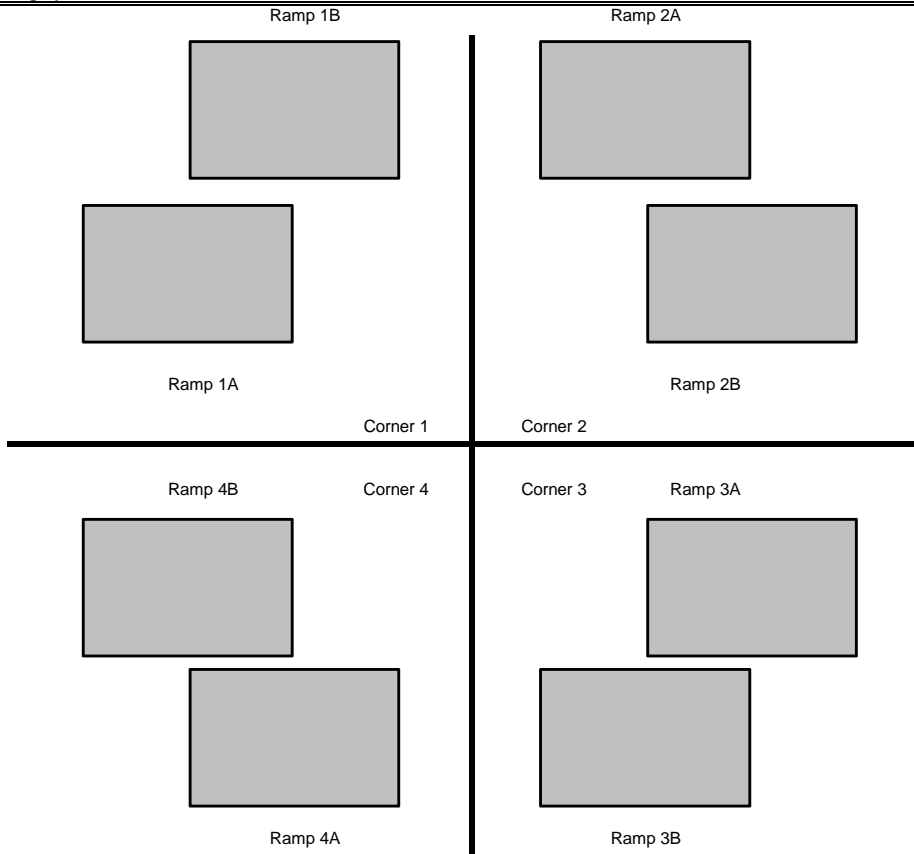
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	Yes	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%			X					X	
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X		X					X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X							X	Regrade roadway
Ponding occurs at base of ramp	X					X			
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S St Louis Ave

GPS ID: 5003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,926.40
Engineering: (% +/-)	15%	\$ 2,602.97
Contingency: (% +/-)	20%	\$ 3,470.63
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S St Louis Ave and E 15th St

GPS ID: 5003a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

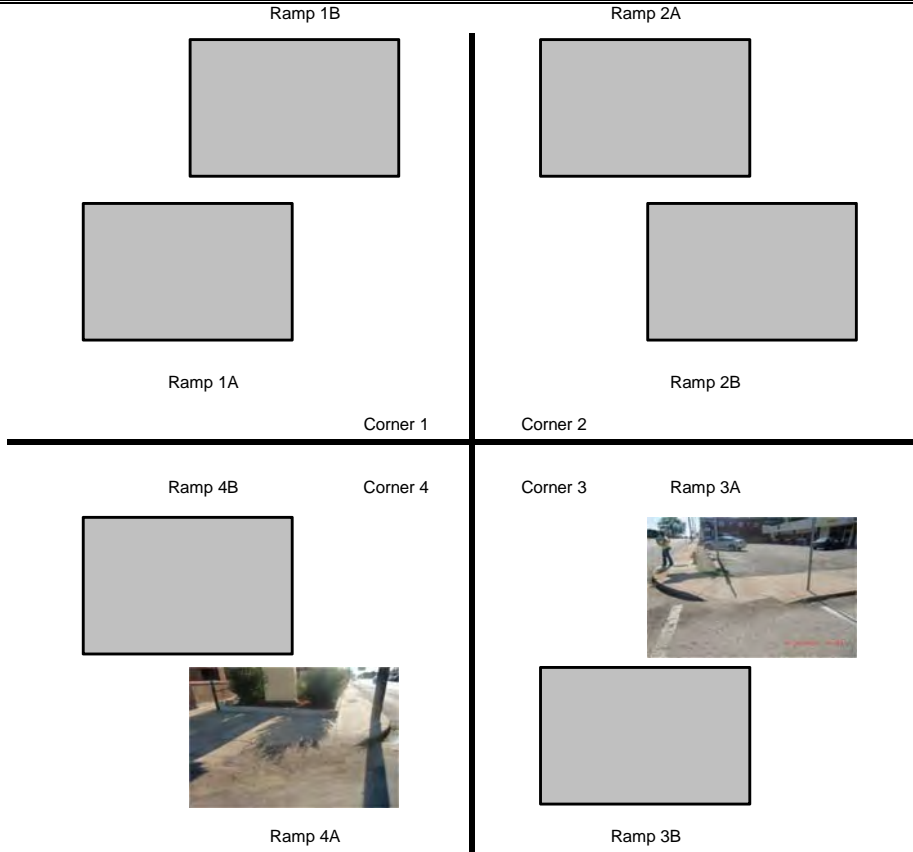
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp				X		X			
No color contrast at base of ramp				X		X			Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X		X			
Ponding occurs at base of ramp				X		X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H		H			



End of Project Description for Project 5003a Intersection of S StLouis Ave and E 15th St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Trenton Ave

GPS ID: 5004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,669.83
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

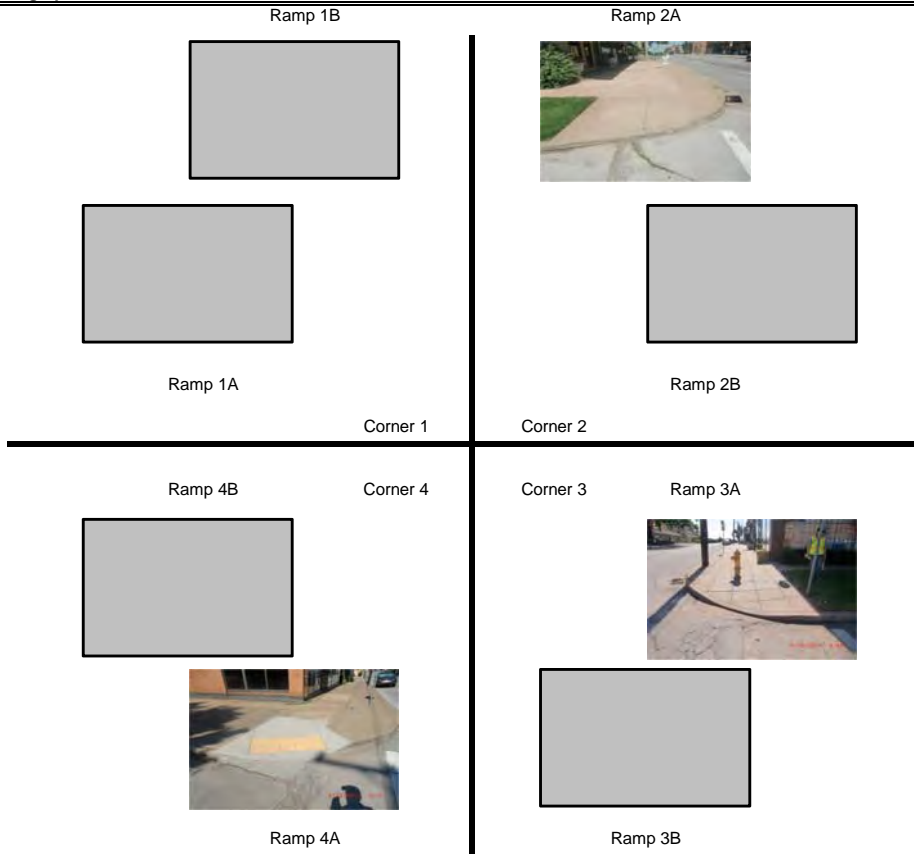
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	Yes	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X			
Ramp running slope is greater than 8.33%			X	X	X	X			
Ramp cross slope is greater than 2%			X	X	X	X			
Ramp width is less than 36"	X		X	X	X	X			
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X	X	X			Install colored truncated domes	
No color contrast at base of ramp	X		X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X				Install landing area	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X	X	X	X		Regrade roadway	
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Troost Ave and E 15th St

GPS ID: 5005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,252.80
Engineering: (% +/-)	15%	\$ 2,891.66
Contingency: (% +/-)	20%	\$ 3,855.54
Estimated Project Cost:	\$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	Yes	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Victor Ave and E 15th St

GPS ID: 5006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,429.70
Engineering: (% +/-)	15%	\$ 1,958.70
Contingency: (% +/-)	20%	\$ 2,611.60
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

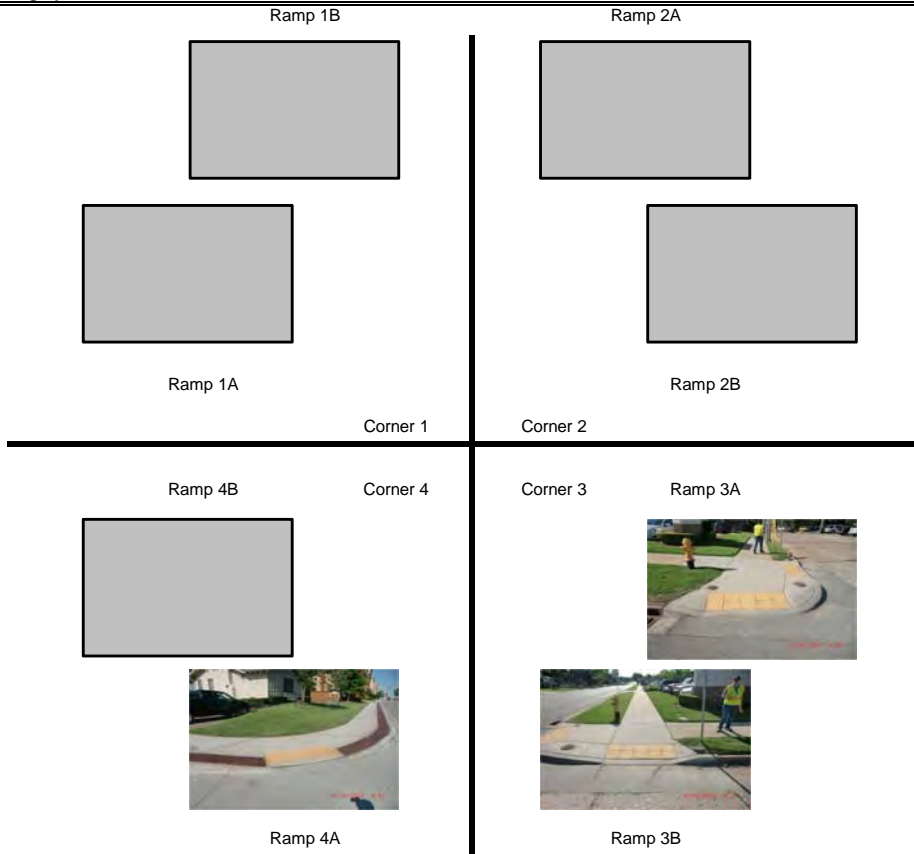
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X	X	
Ramp running slope is greater than 8.33%							X	X	
Ramp cross slope is greater than 2%							X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	-	-	-	H	M	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Xanthus PI

GPS ID: 5007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,712.00
Engineering: (% +/-)	15%	\$ 1,409.14
Contingency: (% +/-)	20%	\$ 1,878.86
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

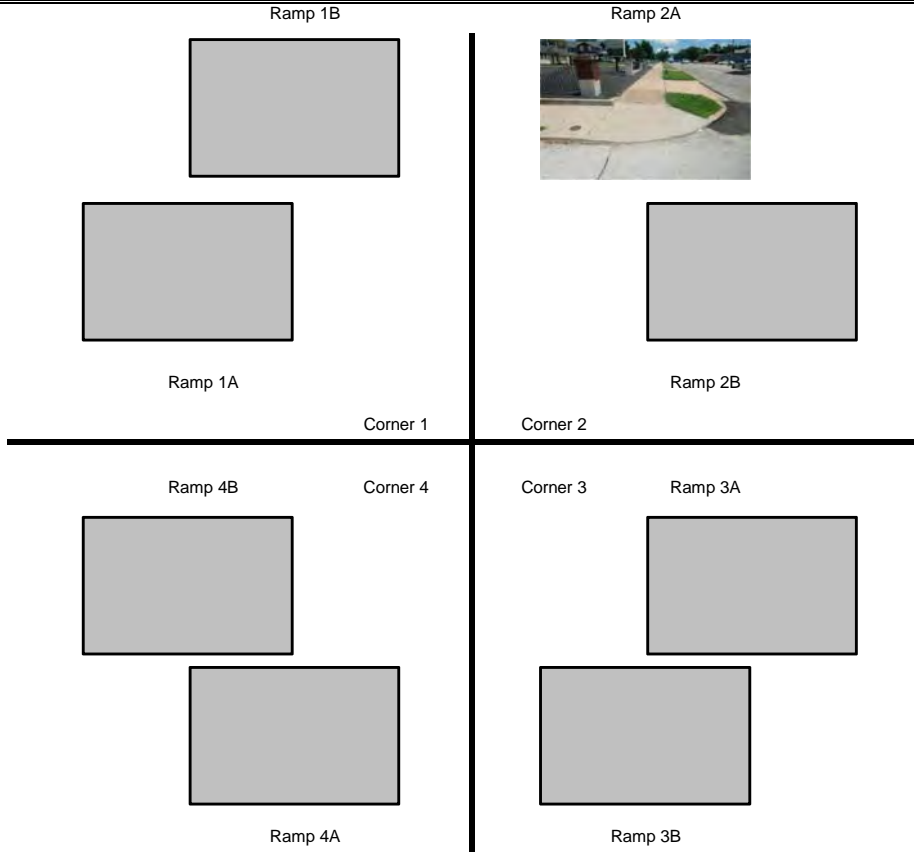
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X						Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	-	-	-	-	-	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Yorktown Ave

GPS ID: 5008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,015.30
Engineering: (% +/-)	15%	\$ 1,279.16
Contingency: (% +/-)	20%	\$ 1,705.54
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

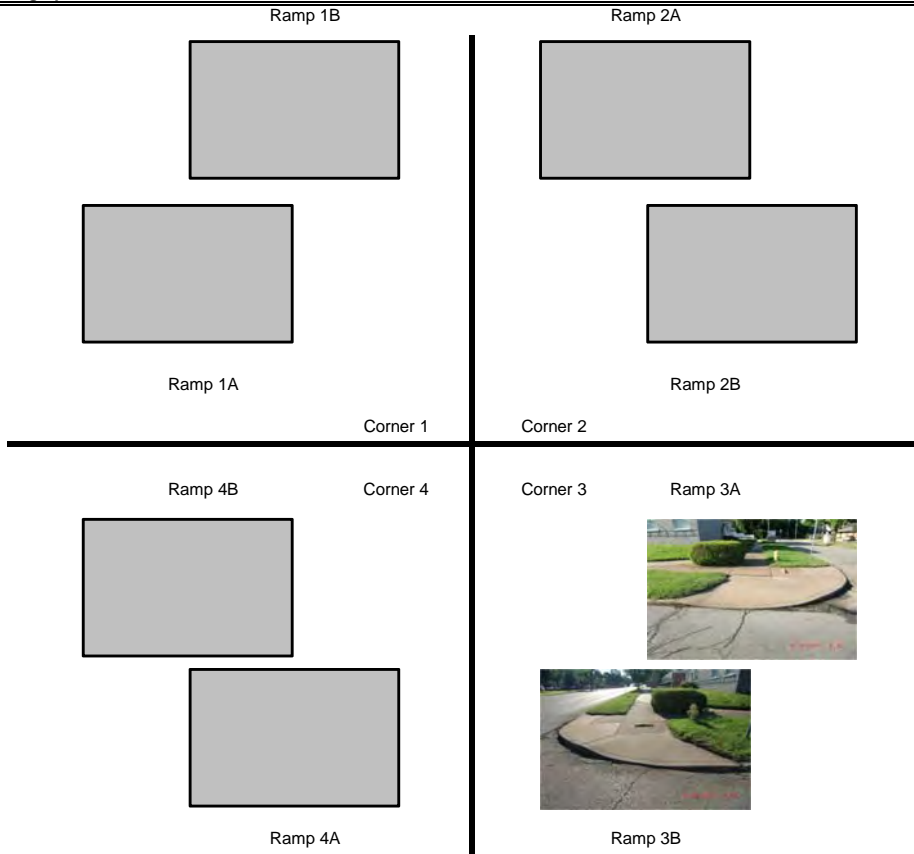
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		Install colored truncated domes
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		Remove ramp
Ramp not needed due to existing geometry							X		
Ramp Priority:	-	-	-	H	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yorktown Pl and E 15th St

GPS ID: 5009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

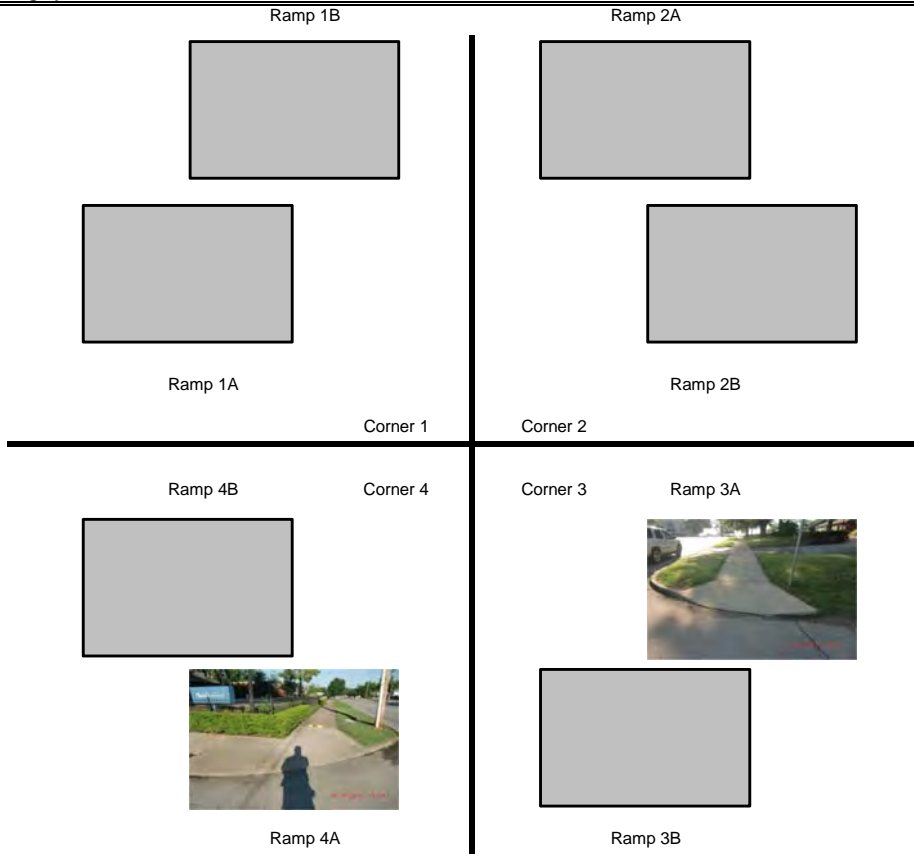
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X		X			Install colored truncated domes
No color contrast at base of ramp				X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yorktown Pl and E 15th St

GPS ID: 5010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

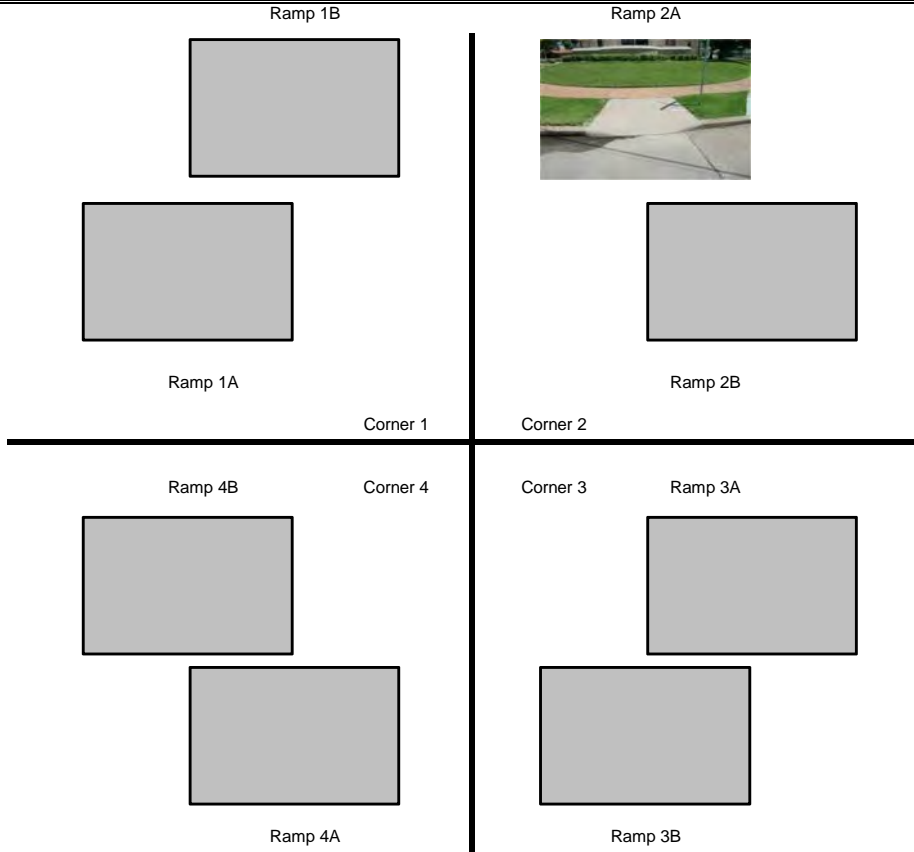
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	-	-	-	-	-	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Gillette Ave and E 15th St

GPS ID: 5011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,574.20
Engineering: (% +/-)	15%	\$ 1,039.63
Contingency: (% +/-)	20%	\$ 1,386.17
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

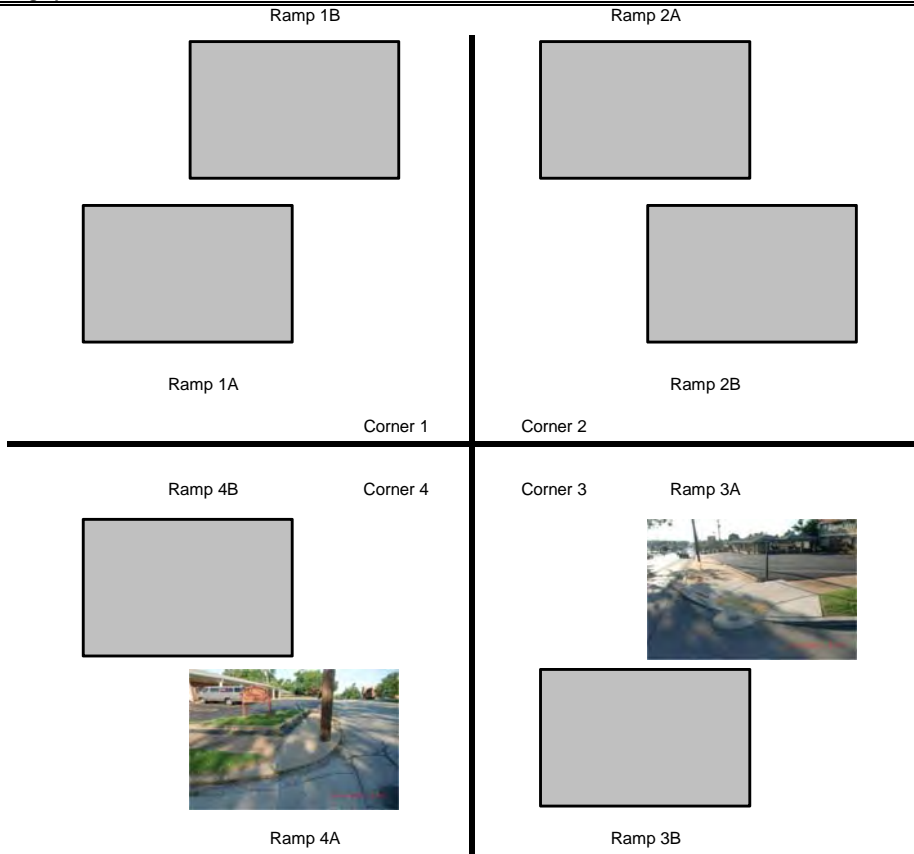
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	M	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Pl and E 15th St

GPS ID: 5012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,838.40
Engineering: (% +/-)	15%	\$ 3,069.26
Contingency: (% +/-)	20%	\$ 4,092.34
Estimated Project Cost:	\$	26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 12th St and S Harvard Ave

GPS ID: 6000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

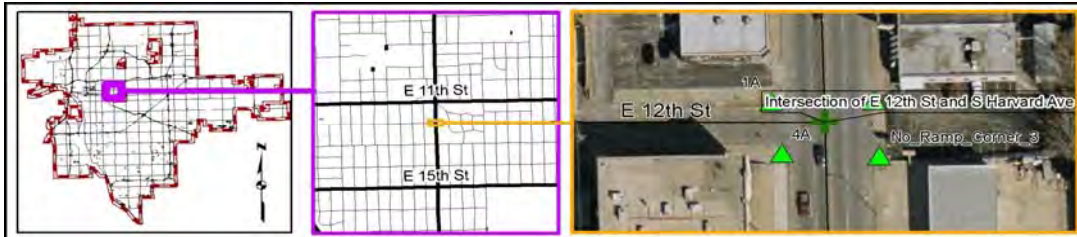
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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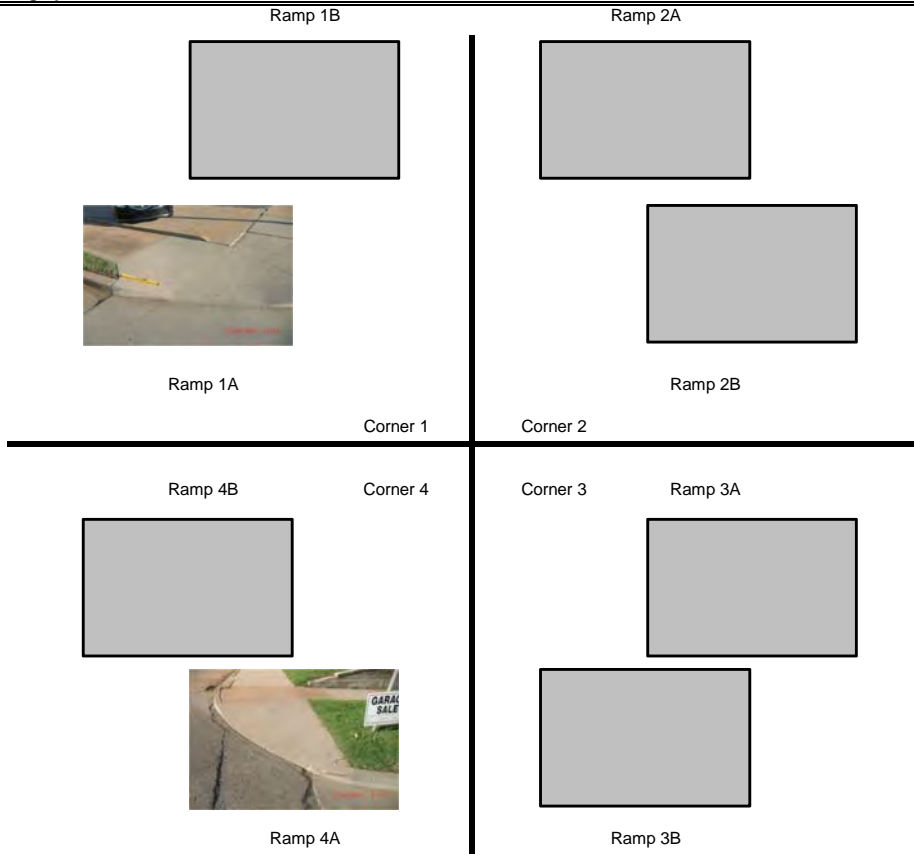
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 13th St

GPS ID: 6001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,569.83
Estimated Project Cost:	\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X		Regrade roadway
Ponding occurs at base of ramp	X		X				X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 14th St

GPS ID: 6002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,426.97
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

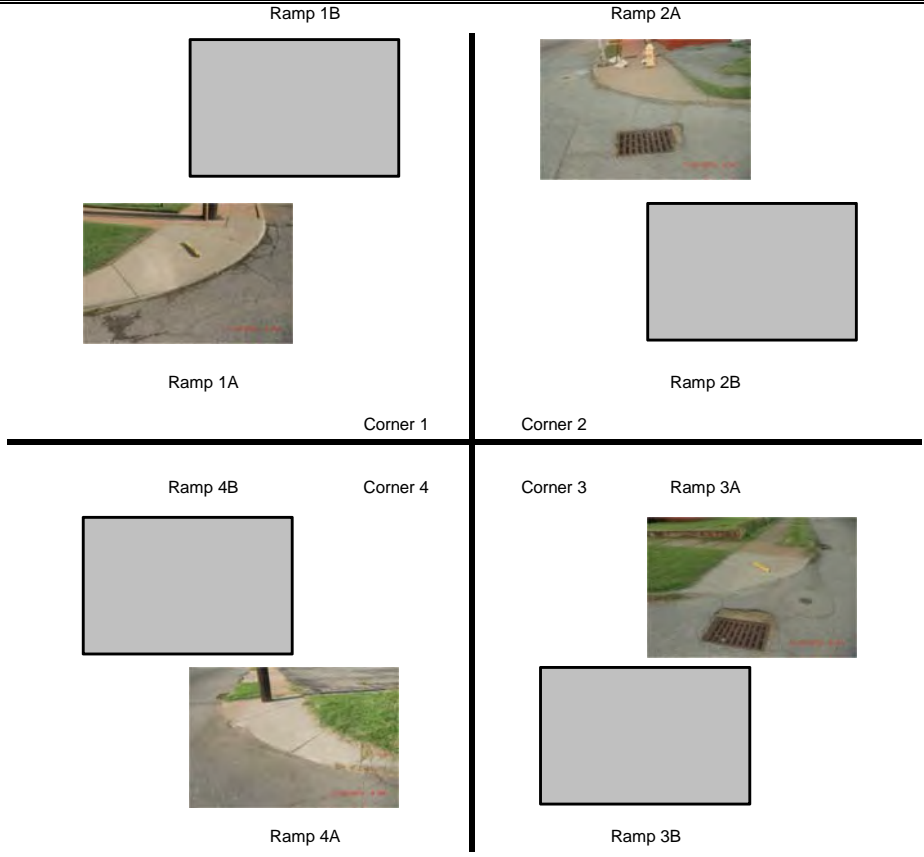
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X		X		
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp			X				X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 16th St

GPS ID: 6003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

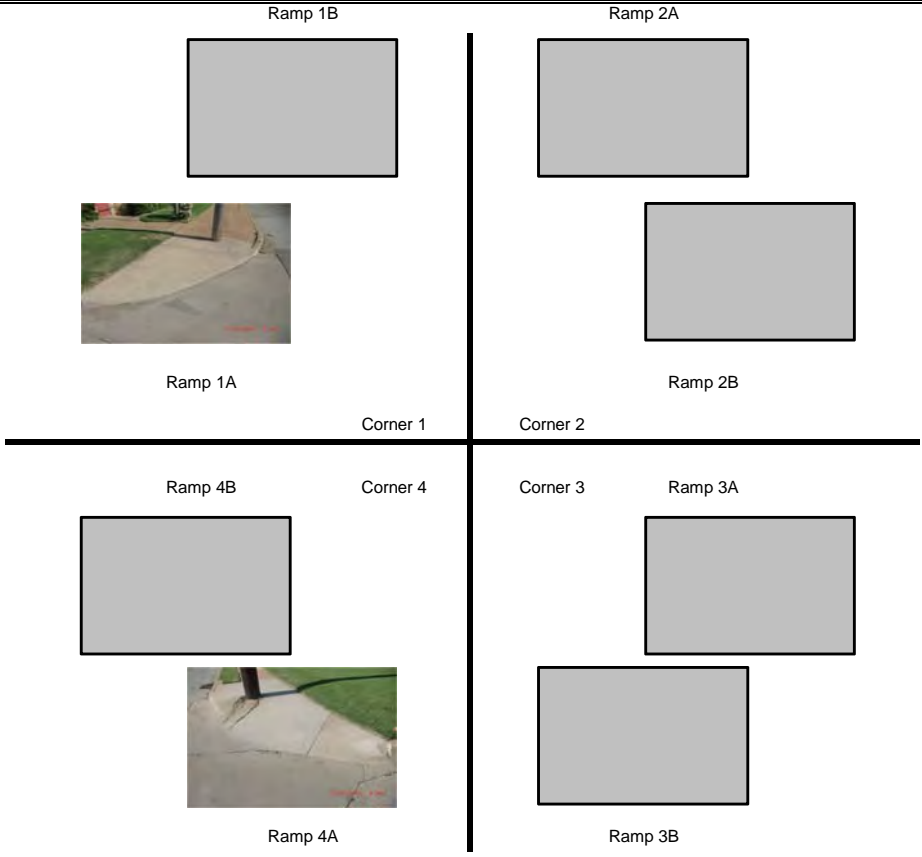
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X		
Ramp running slope is greater than 8.33%			X	X	X	X	X		
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X	X	X		Install landing area
No textured surface at base of ramp	X		X		X	X	X		
No color contrast at base of ramp	X		X		X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X	X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 17th St and S Harvard Ave

GPS ID: 6004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,480.60
Engineering: (% +/-)	15%	\$ 1,936.89
Contingency: (% +/-)	20%	\$ 2,582.51
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

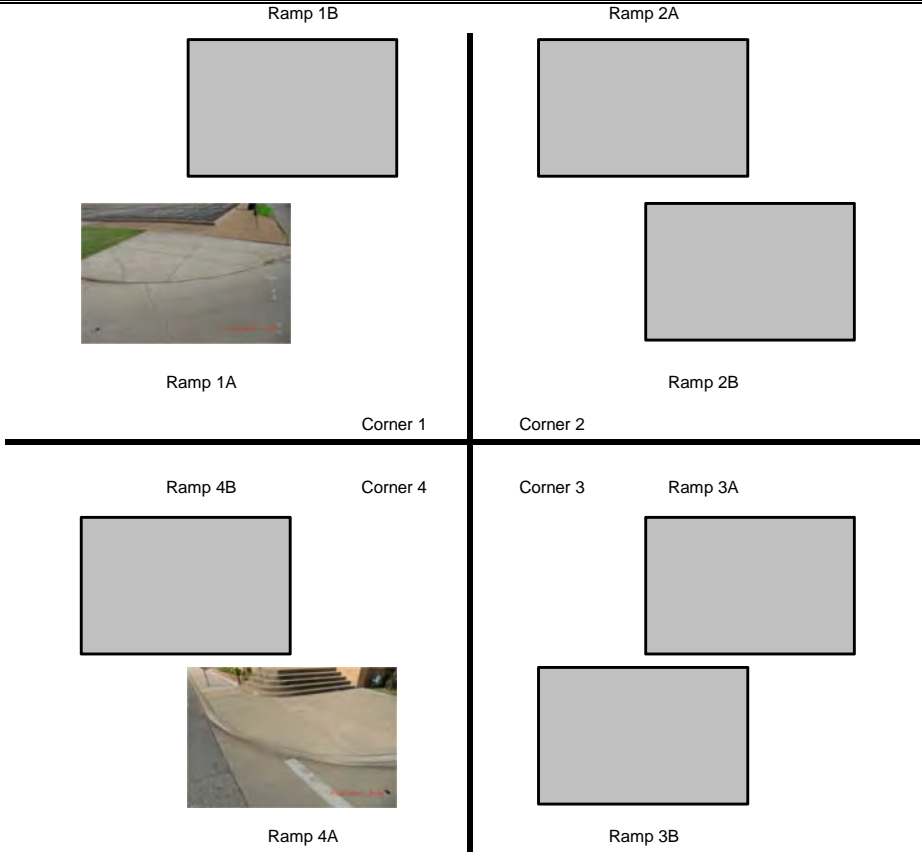
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	Worn	N/A	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Remove and replace ramp
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X	X	X	X	X	X	X	X	
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 19th St

GPS ID: 6005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	33,000.00

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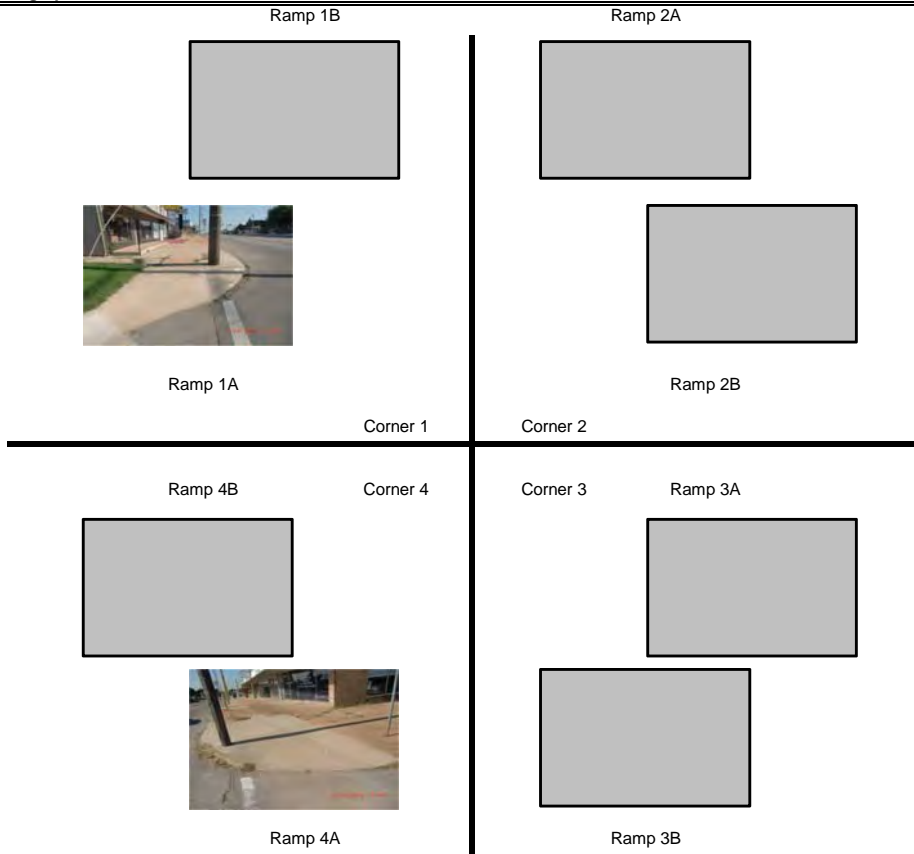
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	Worn	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X				X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%					X				Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Victor Ave and E 21st St

GPS ID: 7000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X	X	Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X	X	
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Xanthus Ave

GPS ID: 7002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,838.40
Engineering: (% +/-)	15%	\$ 3,926.40
Contingency: (% +/-)	20%	\$ 5,235.20
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Zunis Ave

GPS ID: 7004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,429.70
Engineering: (% +/-)	15%	\$ 2,387.27
Contingency: (% +/-)	20%	\$ 3,183.03
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry				X					Remove ramp
Ramp Priority:	H		H	H	-				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 12th St

GPS ID: 8000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,556.10
Engineering: (% +/-)	15%	\$ 2,333.10
Contingency: (% +/-)	20%	\$ 3,110.80
Estimated Project Cost:	\$	20,000.00

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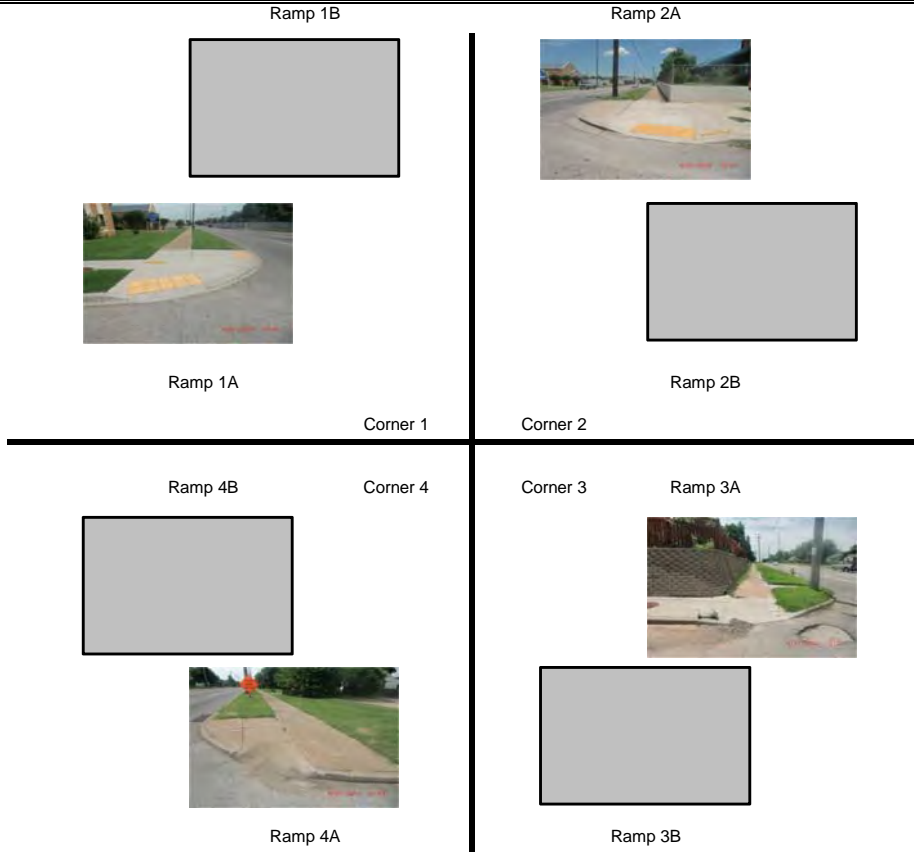
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%		X	X						
Ramp running slope is greater than 8.33%	X	X	X						
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry		X							Remove ramp
Ramp Priority:	M	H	H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 13th St

GPS ID: 8001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,838.40
Engineering: (% +/-)	15%	\$ 3,497.83
Contingency: (% +/-)	20%	\$ 4,663.77
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

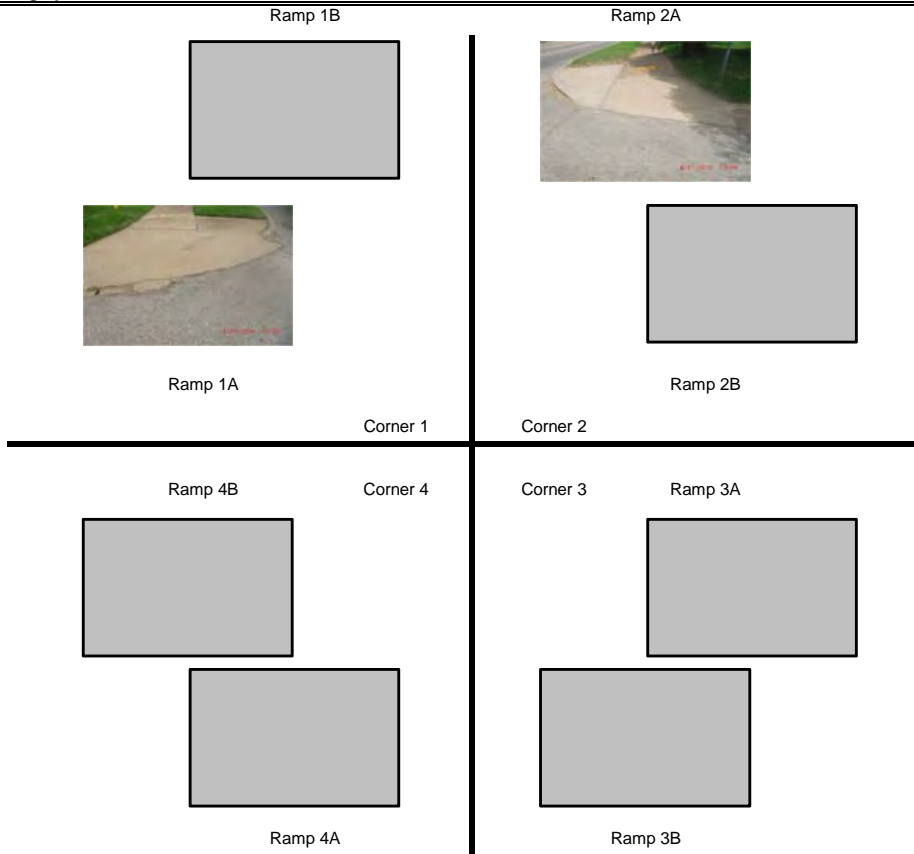
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



End of Project Description for Project 8001 Intersection of S Yale Ave and E 13th St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 14th St

GPS ID: 8002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,838.40
Engineering: (% +/-)	15%	\$ 3,069.26
Contingency: (% +/-)	20%	\$ 4,092.34
Estimated Project Cost:	\$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

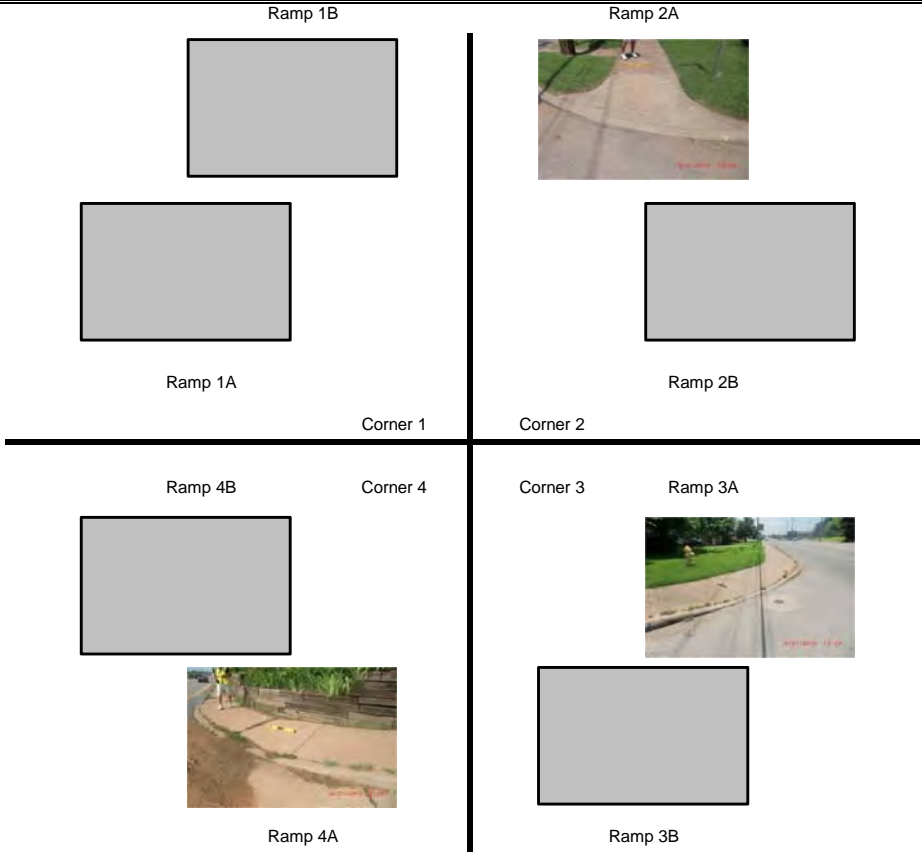
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X	X	X	X	X	X	
Ramp running slope is greater than 8.33%			X	X	X	X	X	X	
Ramp cross slope is greater than 2%								X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp			X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp								X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



End of Project Description for Project 8002 Intersection of S Yale Ave and E 14th St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 16th St

GPS ID: 8003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,552.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,384.00
Engineering: (% +/-)	15%	\$ 1,978.29
Contingency: (% +/-)	20%	\$ 2,637.71
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

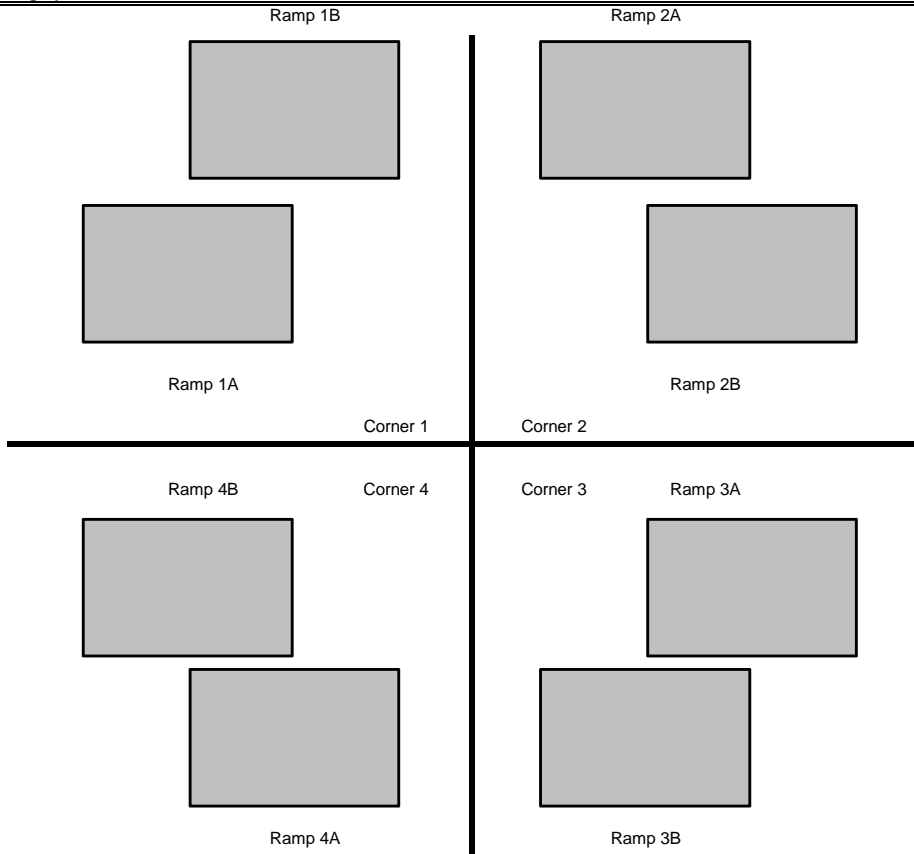
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	-	N/A	-	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X					X			
Ramp running slope is greater than 8.33%	X					X			
Ramp cross slope is greater than 2%	X					X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X					X			Install colored truncated domes
No color contrast at base of ramp	X					X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X					X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 21st PI

GPS ID: 9000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

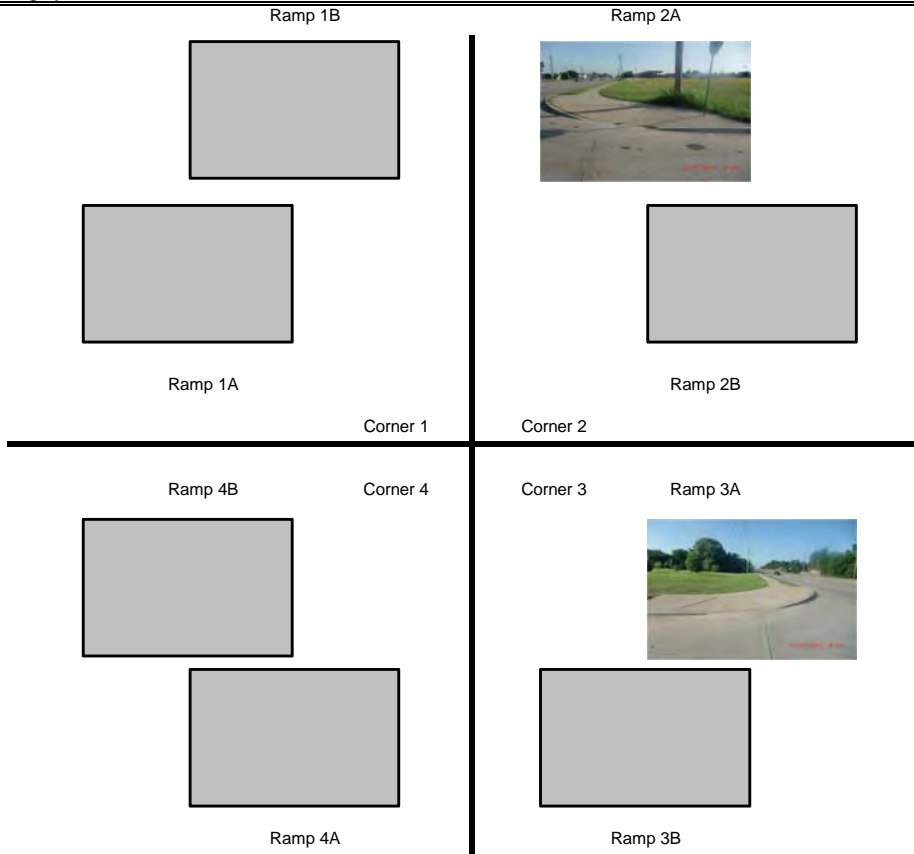
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 23rd St

GPS ID: 9001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,749.60
Engineering: (% +/-)	15%	\$ 2,678.74
Contingency: (% +/-)	20%	\$ 3,571.66
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X					X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M	M		H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 24th St (west)

GPS ID: 9002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

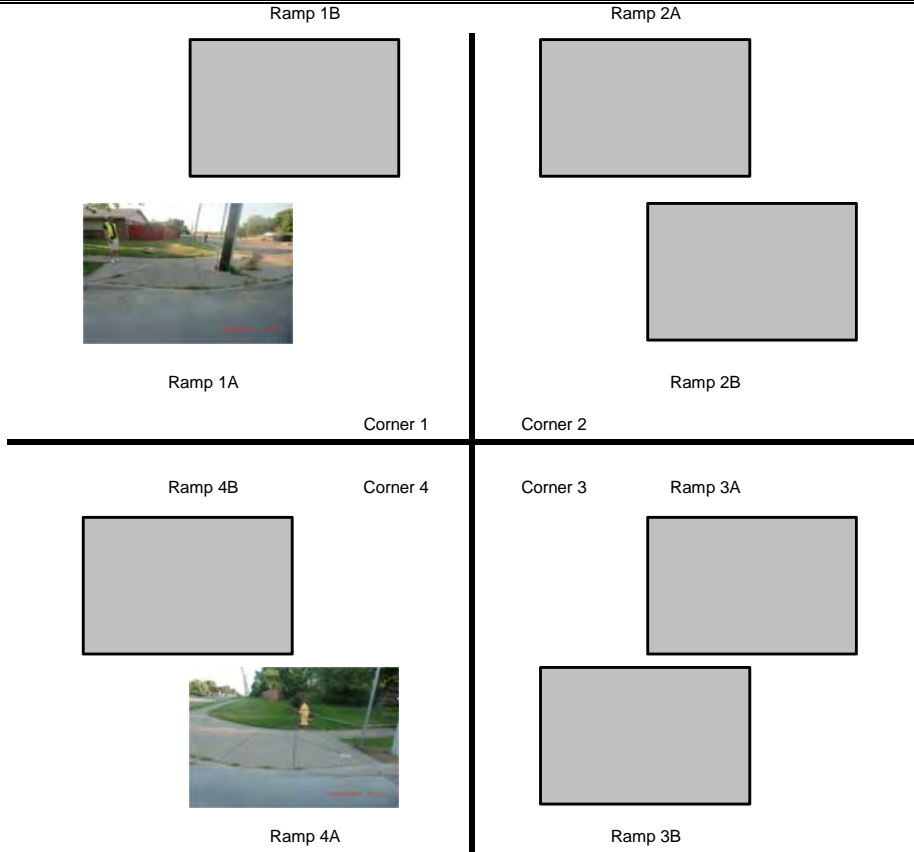
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							X		
Ramp does not exist and is needed								X	Remove and replace ramp
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%									Install colored truncated domes
Ramp cross slope is greater than 2%	X							X	
Ramp width is less than 36"	X							X	Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install landing area
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 24th St (east)

GPS ID: 9003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

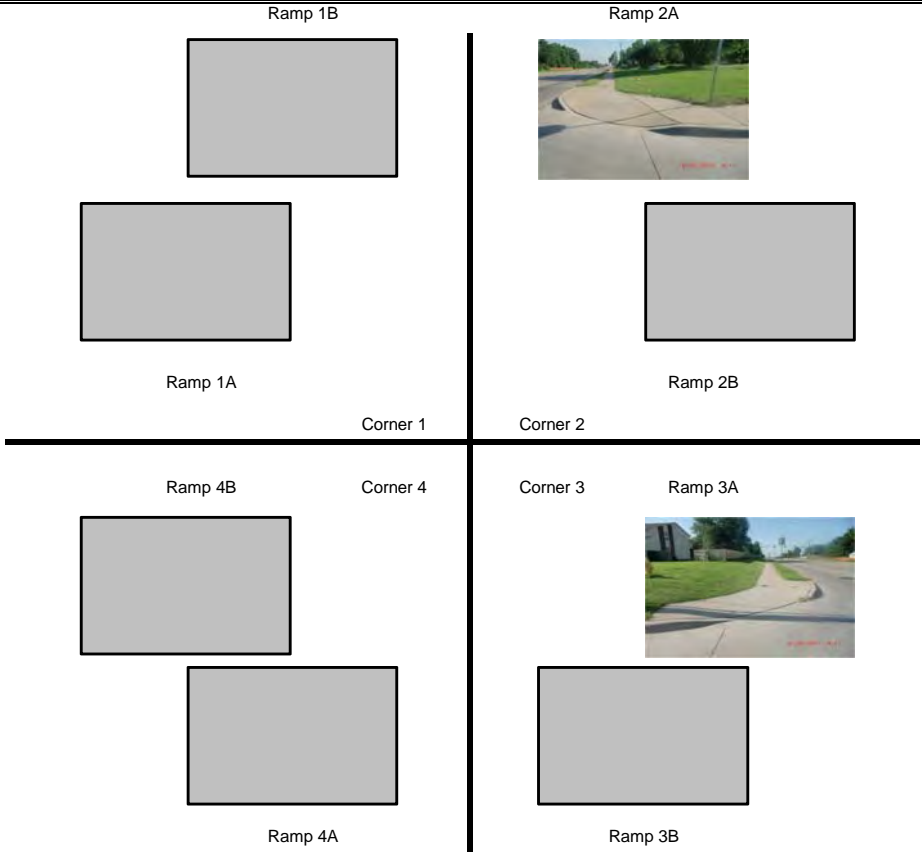
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 26th St GPS ID: 9004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	7,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,231.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,642.06
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

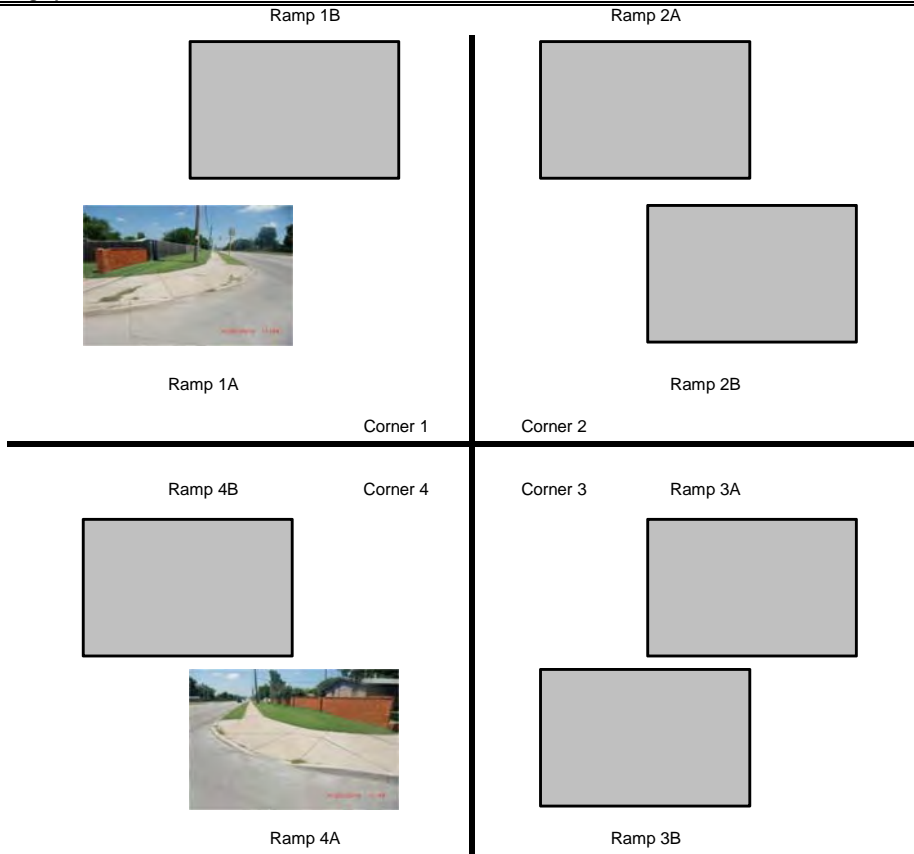
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 27th St and S 129th East Ave

GPS ID: 9005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,252.80
Engineering: (% +/-)	15%	\$ 2,891.66
Contingency: (% +/-)	20%	\$ 3,855.54
Estimated Project Cost:	\$	25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X					X	Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X			X	
Ramp cross slope is greater than 2%					X			X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 28th St GPS ID: 9006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	6,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,231.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,642.06
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	9,000.00

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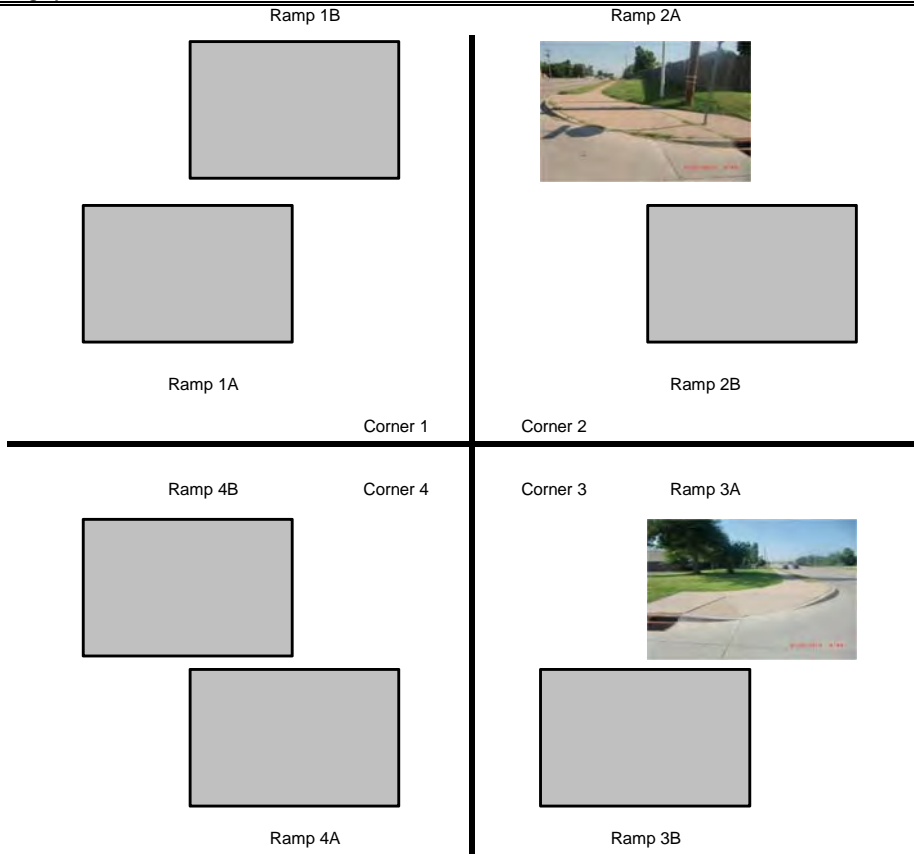
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 28th PI

GPS ID: 9007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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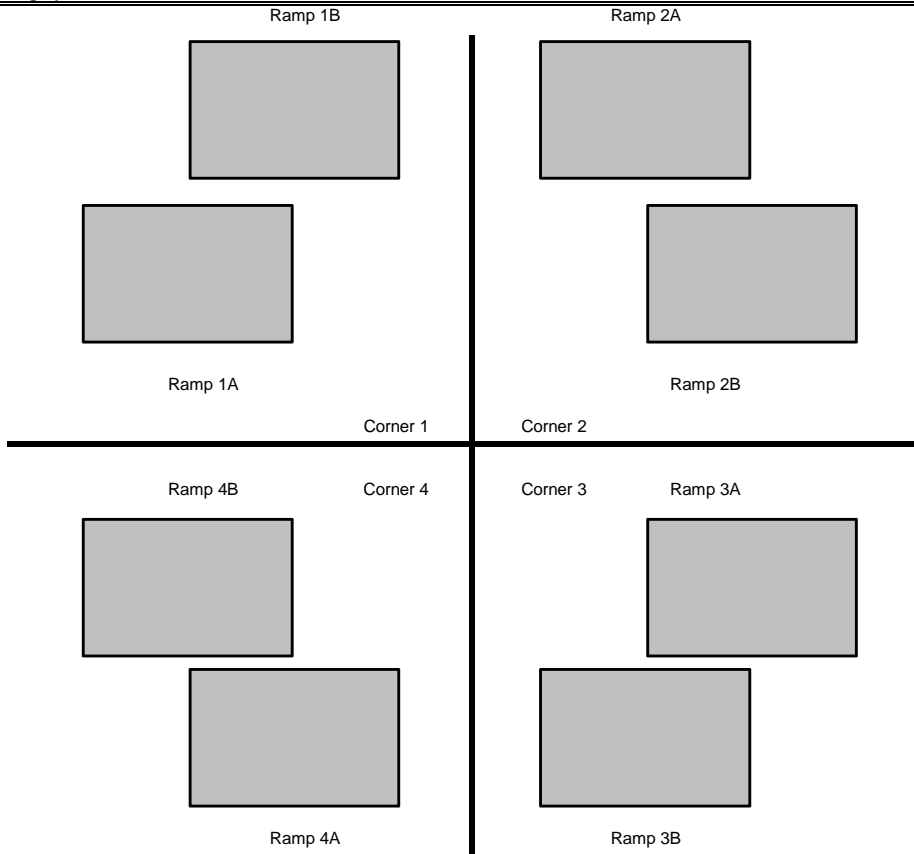
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 55th Pl and S Garnett Rd

GPS ID: 10002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

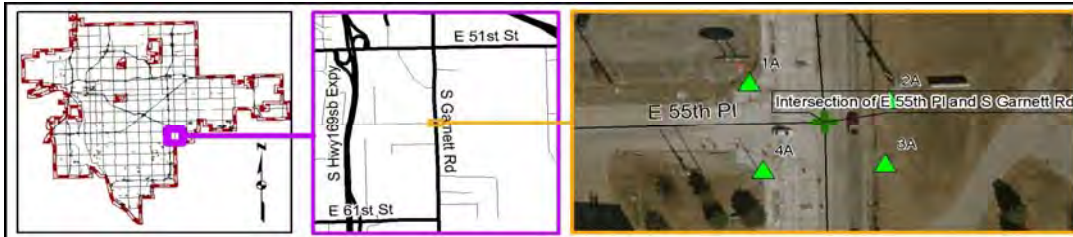
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,700.60
Engineering: (% +/-)	15%	\$ 2,699.74
Contingency: (% +/-)	20%	\$ 3,599.66
Estimated Project Cost:	\$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area	X							X	
No textured surface at base of ramp									Remove and replace ramp
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M	M				H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 56th St and S Garnett Rd

GPS ID: 10003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

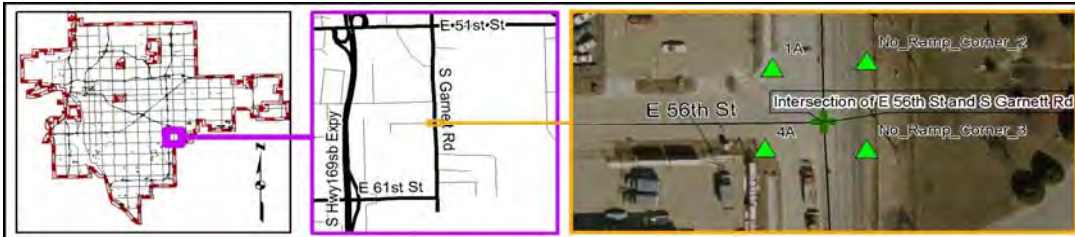
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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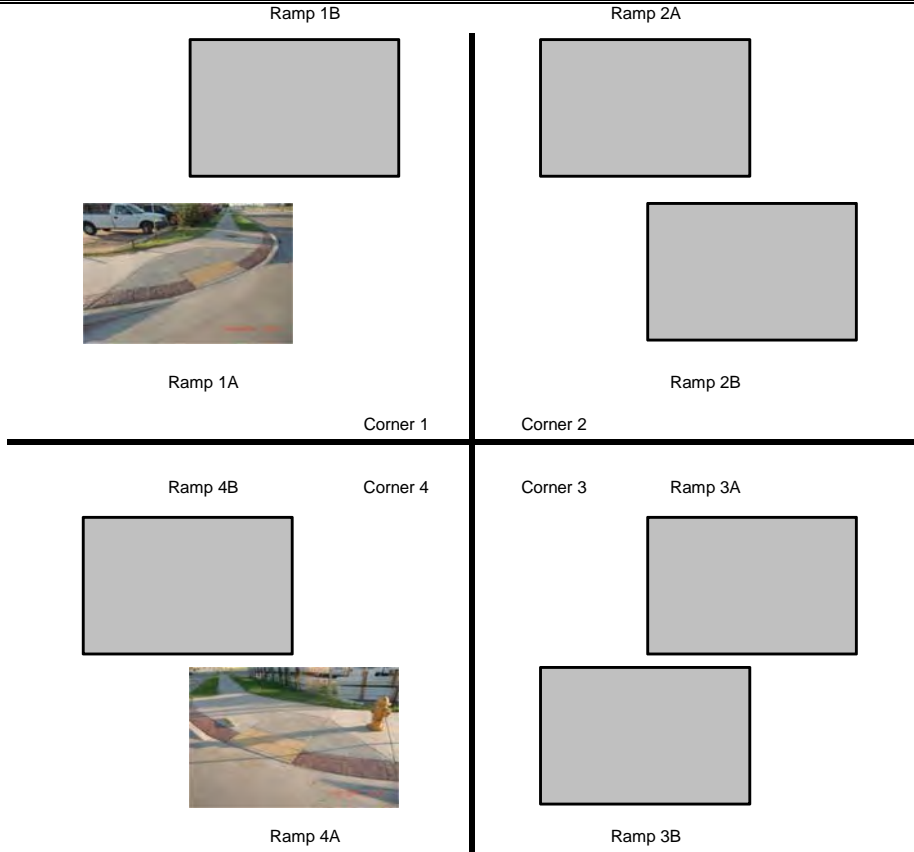
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Pl and E 11th St

GPS ID: 11015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

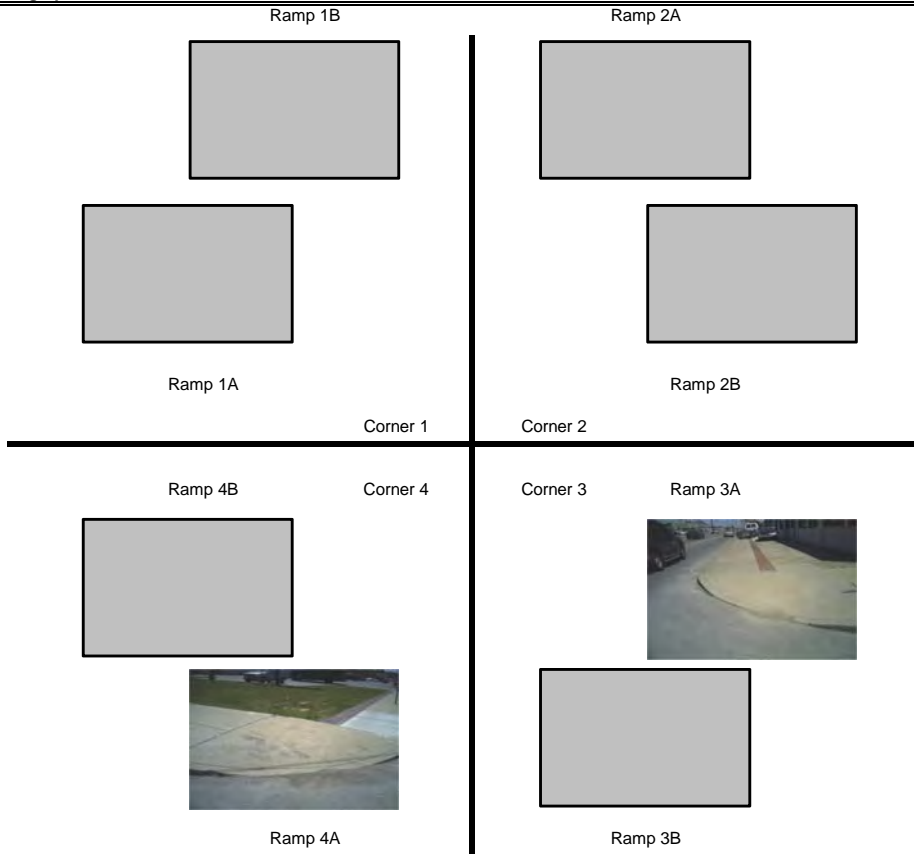
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X			X		
Ramp cross slope is greater than 2%				X			X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Atlanta Ave

GPS ID: 11016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,307.20
Engineering: (% +/-)	15%	\$ 3,725.49
Contingency: (% +/-)	20%	\$ 4,967.31
Estimated Project Cost:	\$	32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X			X			
Ramp running slope is greater than 8.33%			X			X	X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X			X			
No color contrast at base of ramp			X			X			Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry				X	X				Remove ramp
Ramp Priority:	M		H	H	H	H	M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Atlanta Pl and E 11th St

GPS ID: 11017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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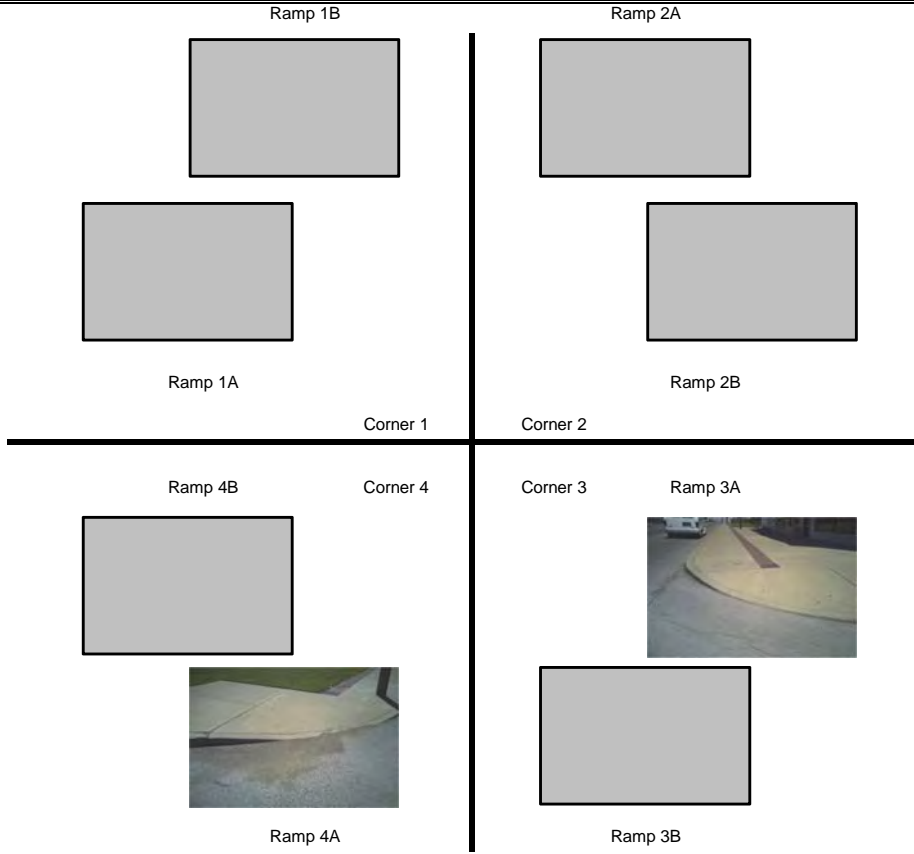
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X			X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Birmingham Ave and E 11th St

GPS ID: 11018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,229.60
Engineering: (% +/-)	15%	\$ 2,044.46
Contingency: (% +/-)	20%	\$ 2,725.94
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	Yes	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X	X			Install colored truncated domes
No textured surface at base of ramp	X				X	X			
No color contrast at base of ramp	X				X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Birmingham PI

GPS ID: 11019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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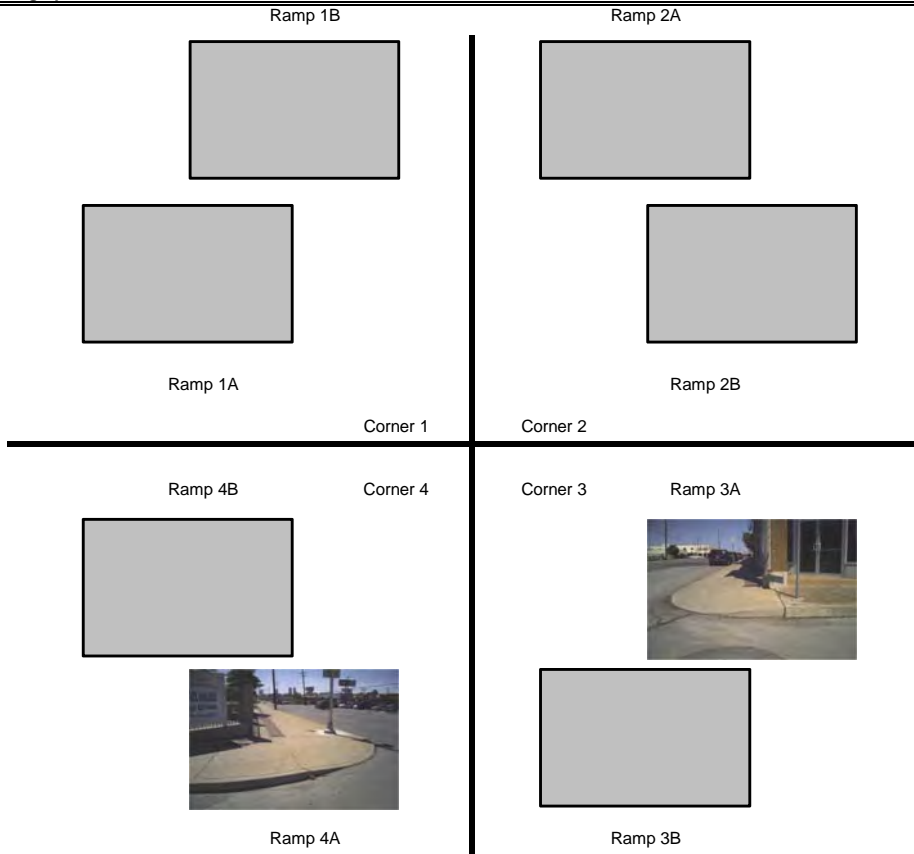
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"				X					
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp				X		X			
No color contrast at base of ramp				X		X			Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Columbia Ave

GPS ID: 11020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,556.10
Engineering: (% +/-)	15%	\$ 3,190.24
Contingency: (% +/-)	20%	\$ 4,253.66
Estimated Project Cost:	\$	26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X					X	X		
Ramp running slope is greater than 8.33%	X					X	X		
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X				X		
No textured surface at base of ramp			X			X	X		Install colored truncated domes
No color contrast at base of ramp			X			X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Delaware Pl

GPS ID: 11021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,623.20
Engineering: (% +/-)	15%	\$ 1,018.63
Contingency: (% +/-)	20%	\$ 1,358.17
Estimated Project Cost:	\$	7,000.00

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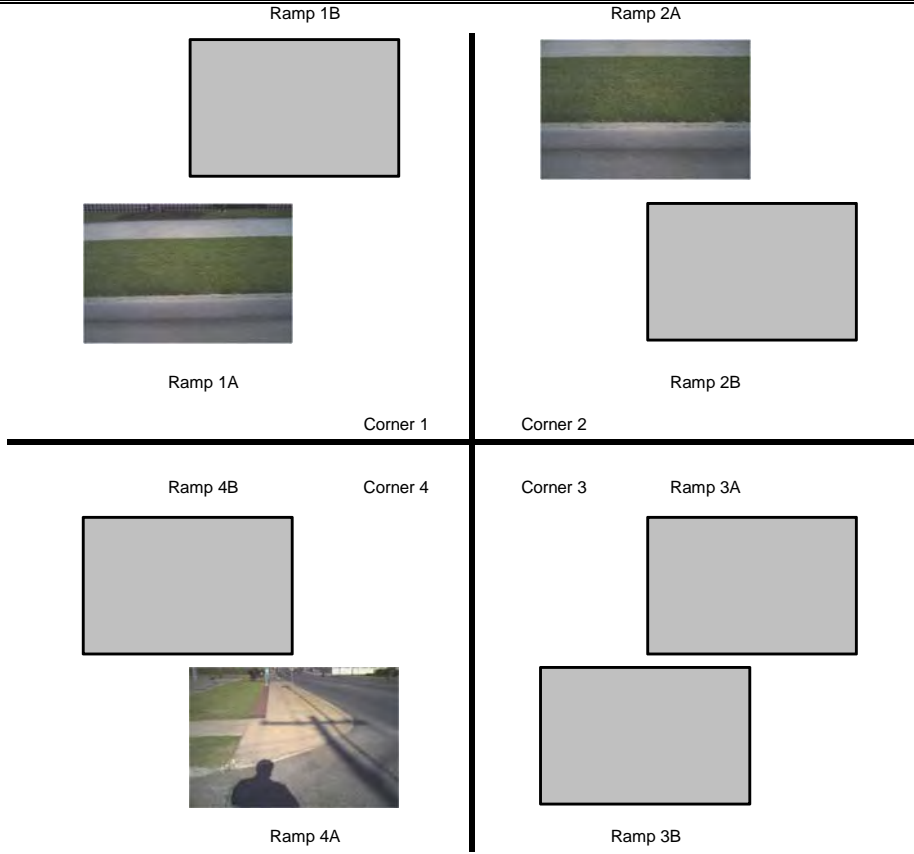
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Evanston Ave and E 11th St

GPS ID: 11022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

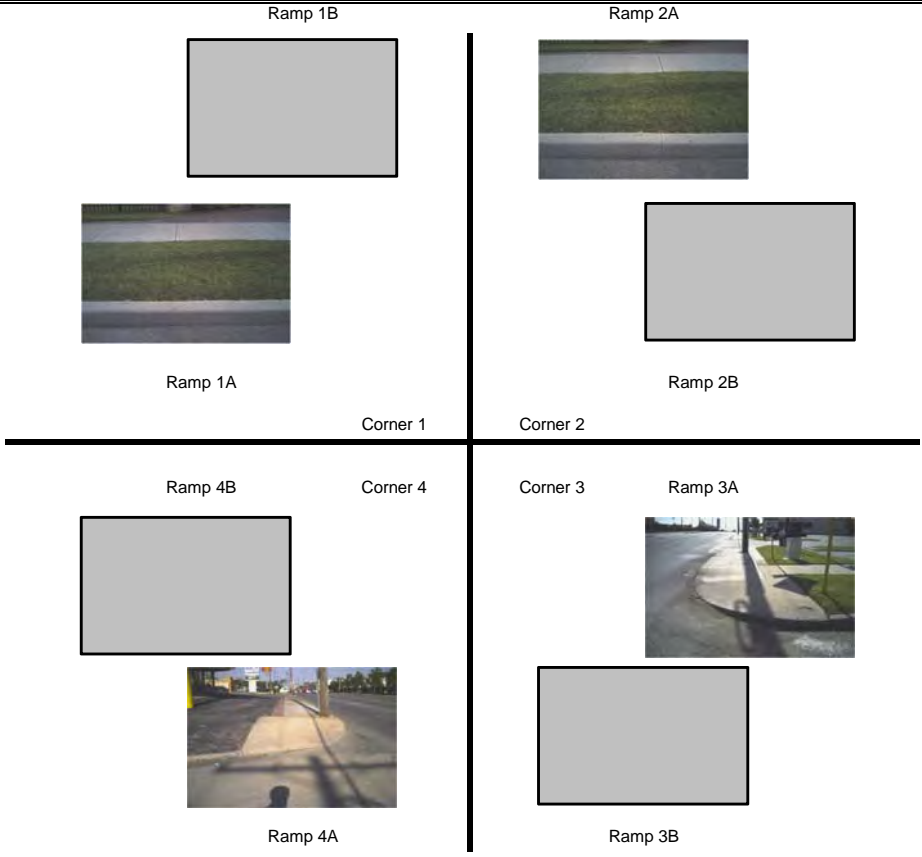
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X		X			Install colored truncated domes
No color contrast at base of ramp				X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H			M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S College Ave

GPS ID: 11023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,759.80
Engineering: (% +/-)	15%	\$ 1,817.23
Contingency: (% +/-)	20%	\$ 2,422.97
Estimated Project Cost:	\$	16,000.00

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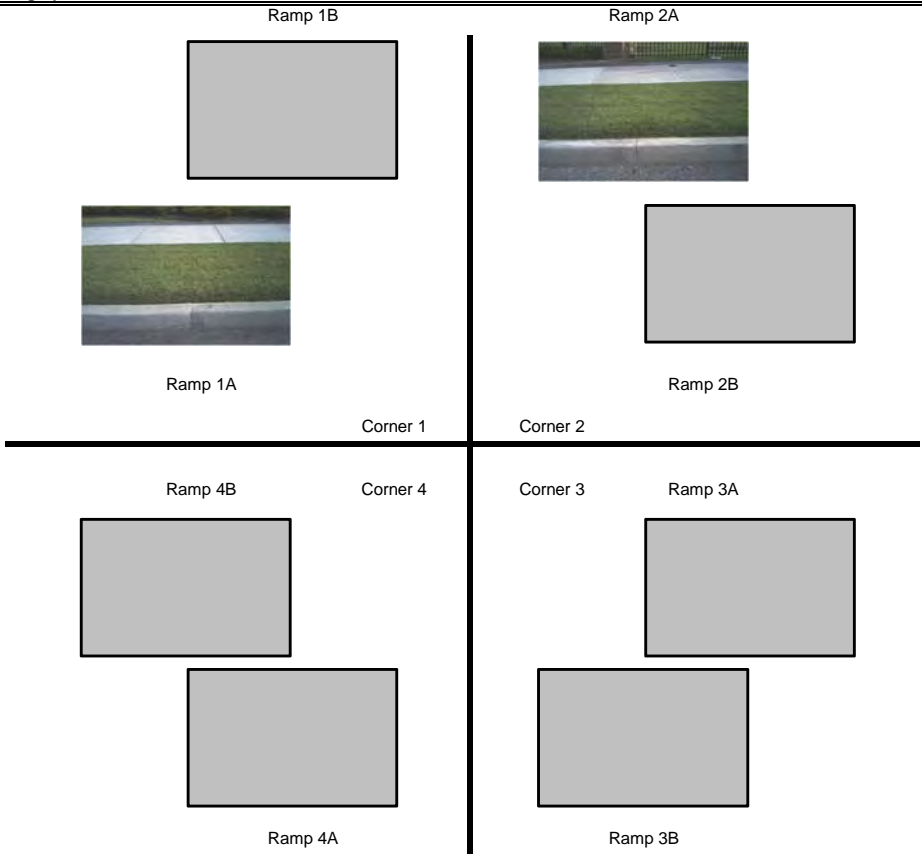
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	X	N/A	
Crosswalk striping	N/A	-	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:			H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Florence Ave and E 11th St

GPS ID: 11024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	240	LF	\$ 6.50	\$ 1,560.00
5:	PAVEMENT MARKING REMOVAL	240	LF	\$ 2.00	\$ 480.00
6:	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,252.80
Engineering: (% +/-)	15%	\$ 2,891.66
Contingency: (% +/-)	20%	\$ 3,855.54
Estimated Project Cost:	\$	25,000.00

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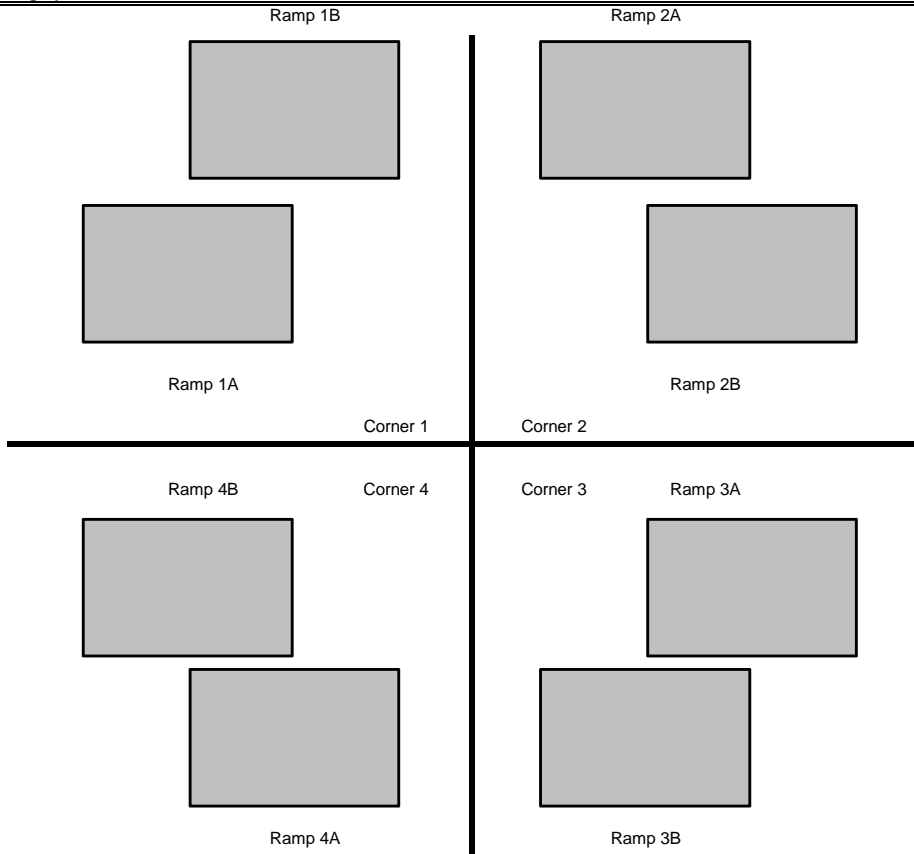
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	Good	
Crosswalk cross slope is greater than 2%	N/A	-	-	-	
Crosswalk striping	N/A	Yes	Yes	Yes	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%				X					
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp						X	X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	M		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Florence Pl and E 11th St

GPS ID: 11025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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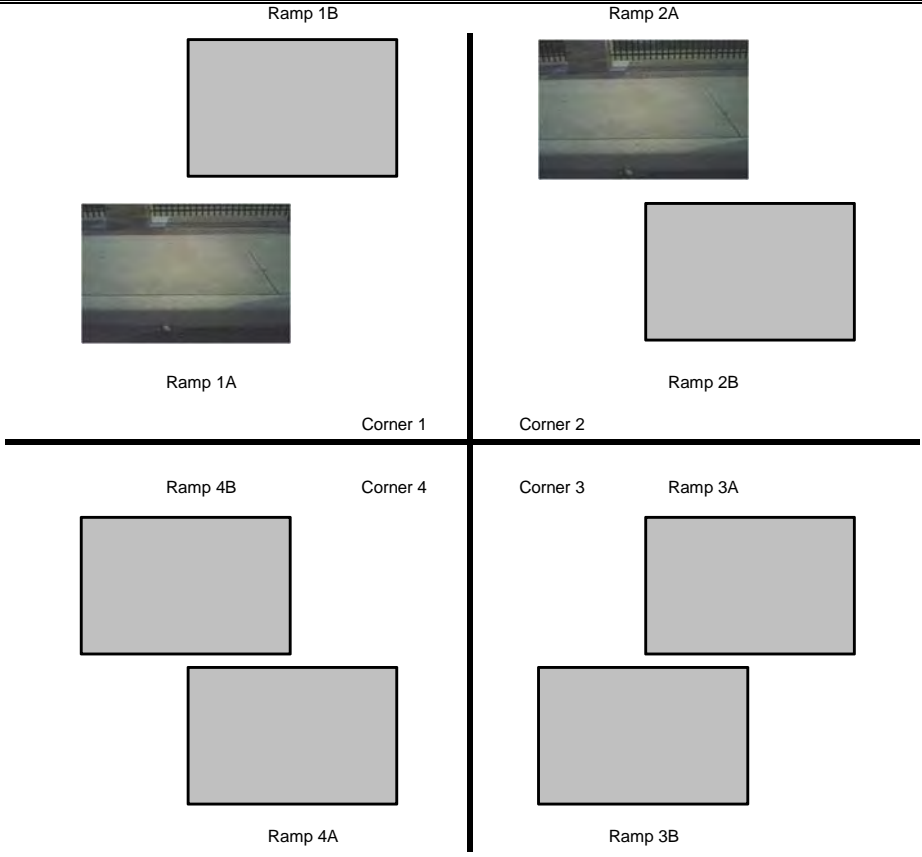
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at E 11th St (west of S Gary Ave)

GPS ID: 11026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	9,000.00

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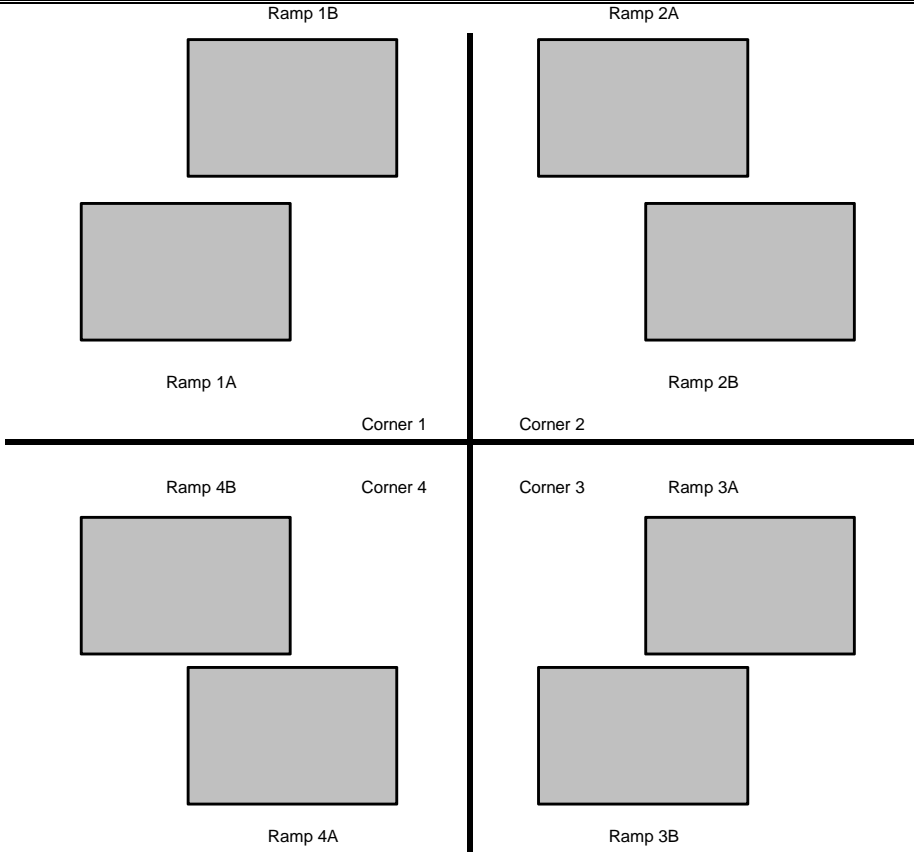
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X						X		
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H								H



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Gary Ave and E 11th St

GPS ID: 11027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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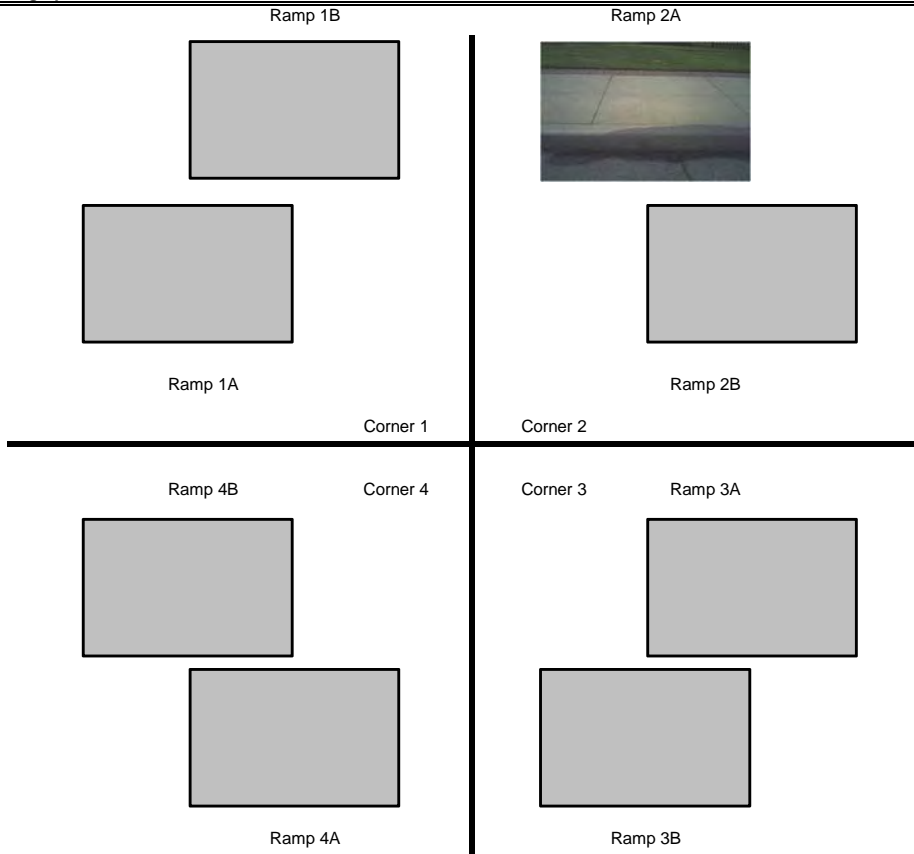
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:					M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Gary Pl and E 11th St

GPS ID: 11028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

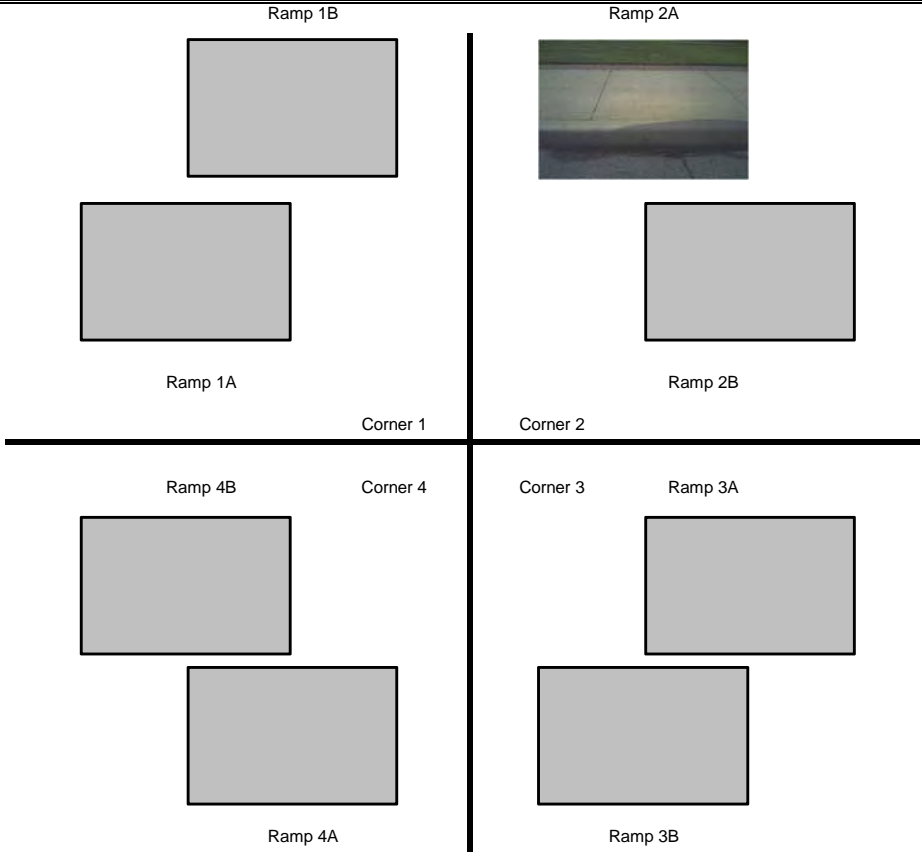
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Indianapolis Ave and E 11th St

GPS ID: 11029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

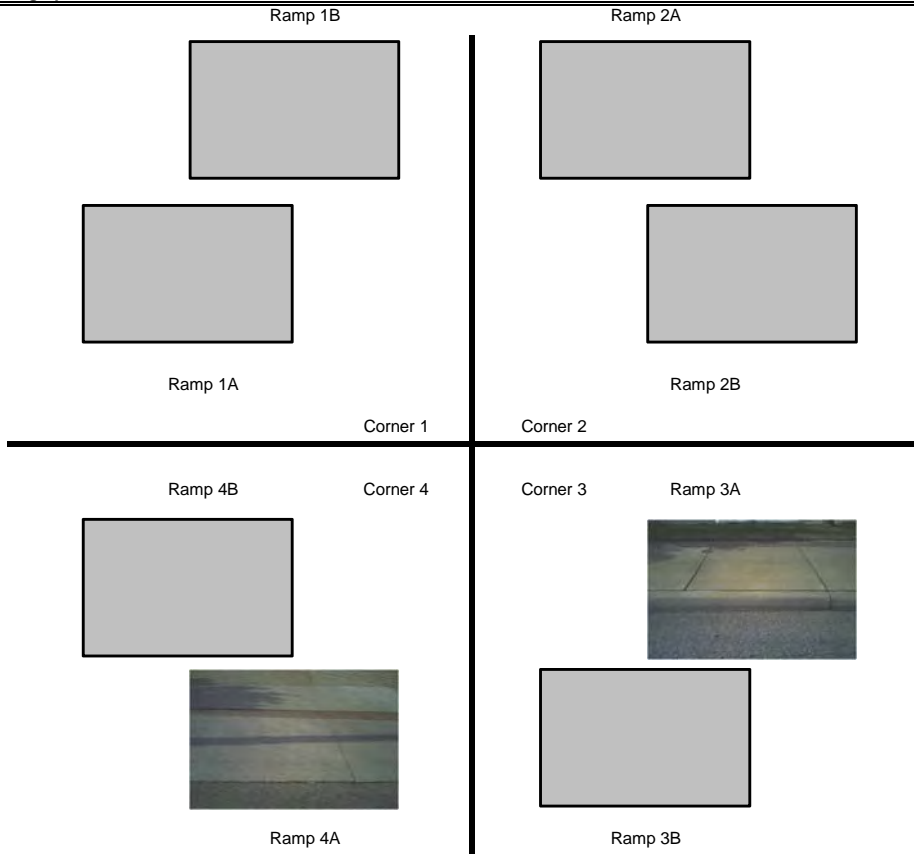
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	-	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Jamestown Ave

GPS ID: 11030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

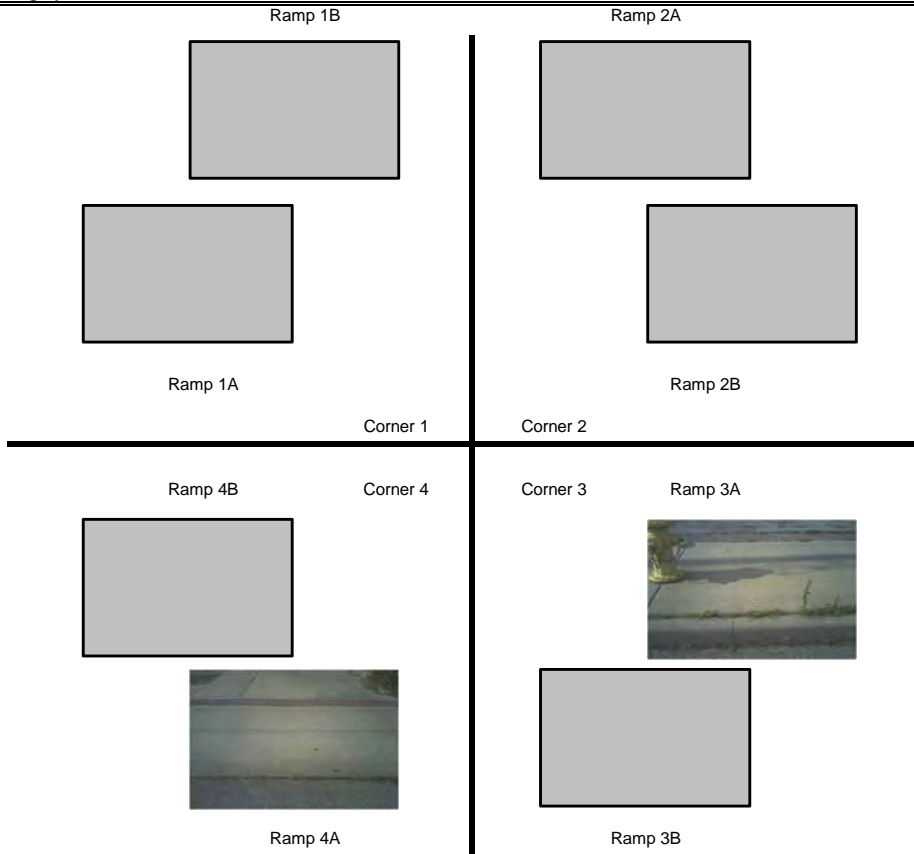
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	-	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Knoxville Ave

GPS ID: 11031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,874.20
Engineering: (% +/-)	15%	\$ 1,768.20
Contingency: (% +/-)	20%	\$ 2,357.60
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

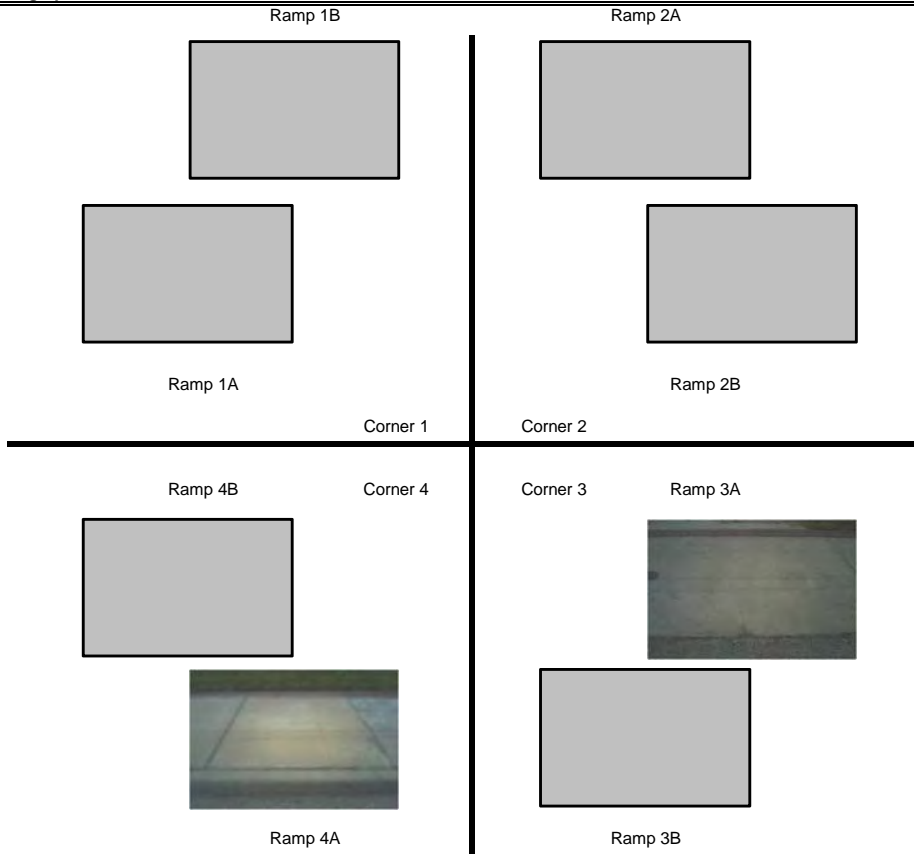
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	-	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Louisville Ave

GPS ID: 11032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,000.60
Engineering: (% +/-)	15%	\$ 3,856.89
Contingency: (% +/-)	20%	\$ 5,142.51
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

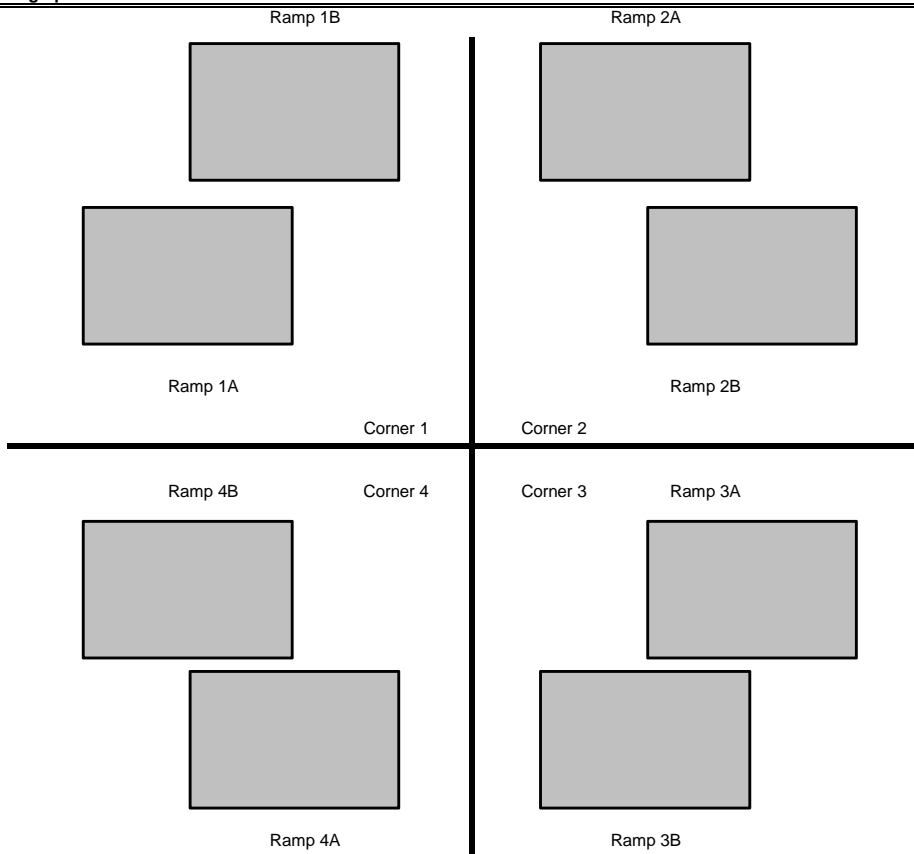
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp			X				X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S New Haven Ave

GPS ID: 11033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

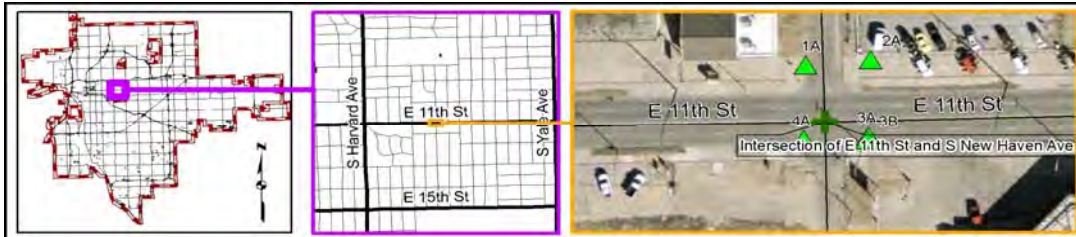
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,052.90
Engineering: (% +/-)	15%	\$ 2,977.33
Contingency: (% +/-)	20%	\$ 3,969.77
Estimated Project Cost:	\$	26,000.00

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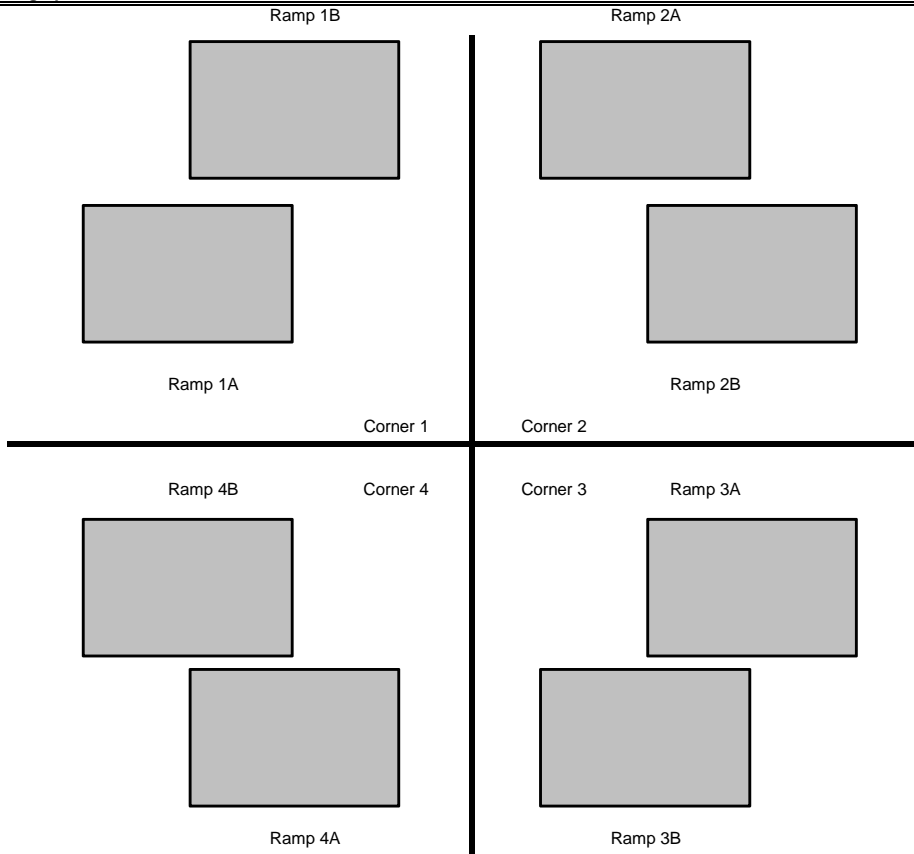
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X			X	X		
Ramp running slope is greater than 8.33%						X	X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X		X			X	X		Install colored truncated domes
No color contrast at base of ramp	X		X			X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X			X	X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry						X			Remove ramp
Ramp Priority:	H		H			H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Oswego Ave

GPS ID: 11034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

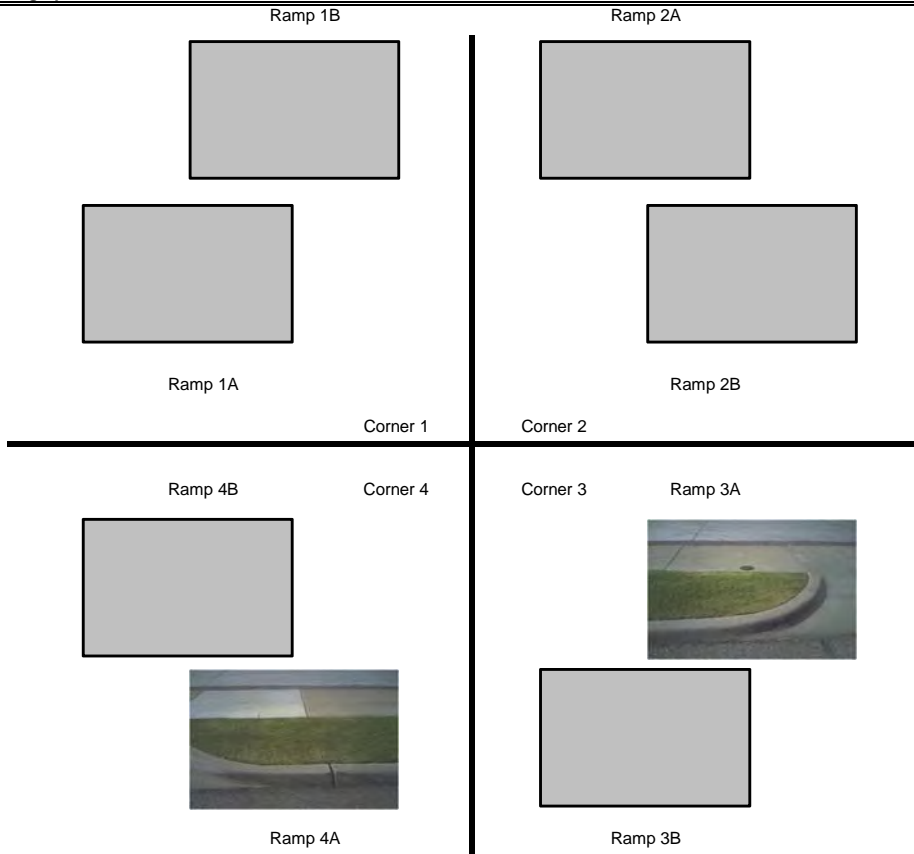
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	-	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Quebec Ave and E 11th St

GPS ID: 11035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,226.97
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

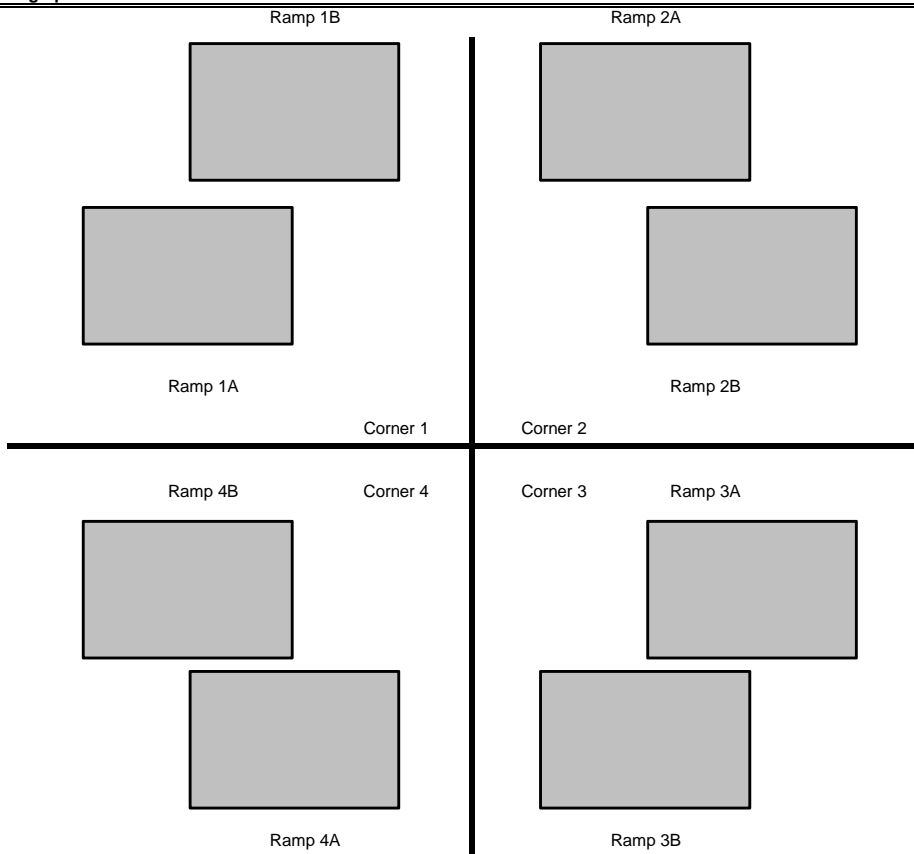
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Richmond Ave and E 11th St

GPS ID: 11036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,749.60
Engineering: (% +/-)	15%	\$ 2,678.74
Contingency: (% +/-)	20%	\$ 3,571.66
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

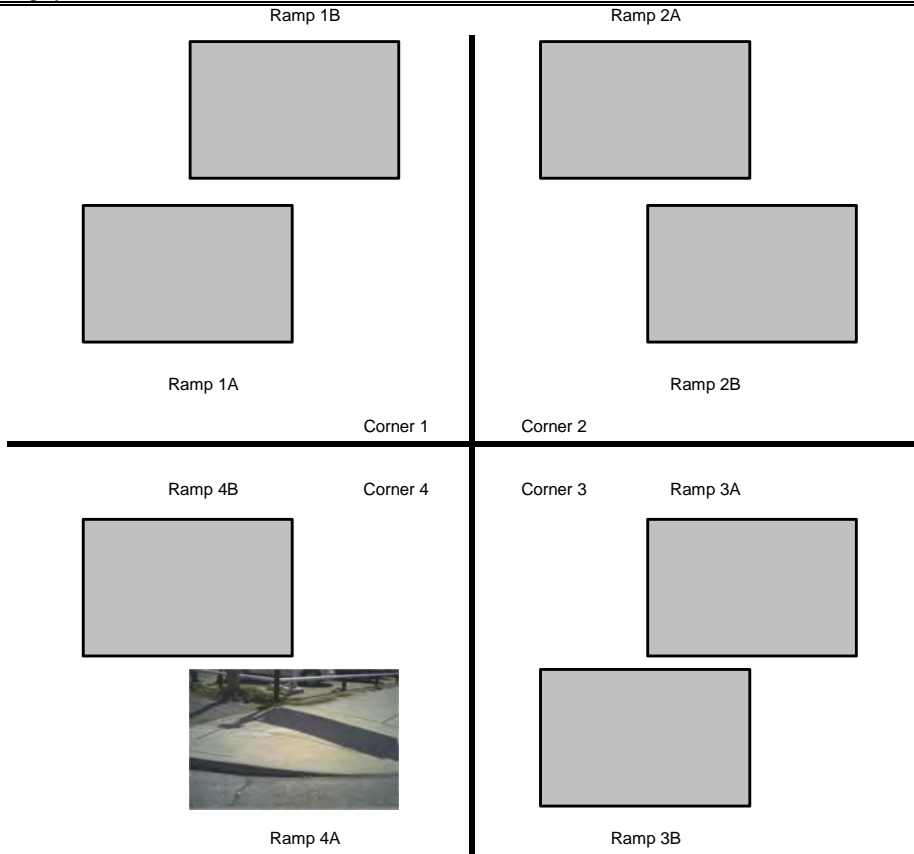
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sandusky Ave and E 11th St

GPS ID: 11037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,252.80
Engineering: (% +/-)	15%	\$ 2,463.09
Contingency: (% +/-)	20%	\$ 3,284.11
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X					X	X	Regrade roadway
Ponding occurs at base of ramp	X	X	X	X	X	X	X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Toledo Ave and E 11th St

GPS ID: 11038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,569.83
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp					X	X	X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Urbana Ave

GPS ID: 11039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,556.10
Engineering: (% +/-)	15%	\$ 3,618.81
Contingency: (% +/-)	20%	\$ 4,825.09
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area						X			
No textured surface at base of ramp	X		X		X	X	X		Install colored truncated domes
No color contrast at base of ramp	X		X		X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X				X		Regrade roadway
Ponding occurs at base of ramp			X		X		X		
Ramp not needed due to existing geometry				X					Remove ramp
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Vandalia Ave and E 11th St

GPS ID: 11040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,569.83
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Winston Ave

GPS ID: 11041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,000.60
Engineering: (% +/-)	15%	\$ 3,856.89
Contingency: (% +/-)	20%	\$ 5,142.51
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X			X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X	X	X			Regrade roadway
Ponding occurs at base of ramp	X	X	X	X	X	X			
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Allegheny Ave and E 11th St

GPS ID: 11042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,749.60
Engineering: (% +/-)	15%	\$ 2,678.74
Contingency: (% +/-)	20%	\$ 3,571.66
Estimated Project Cost:	\$	24,000.00

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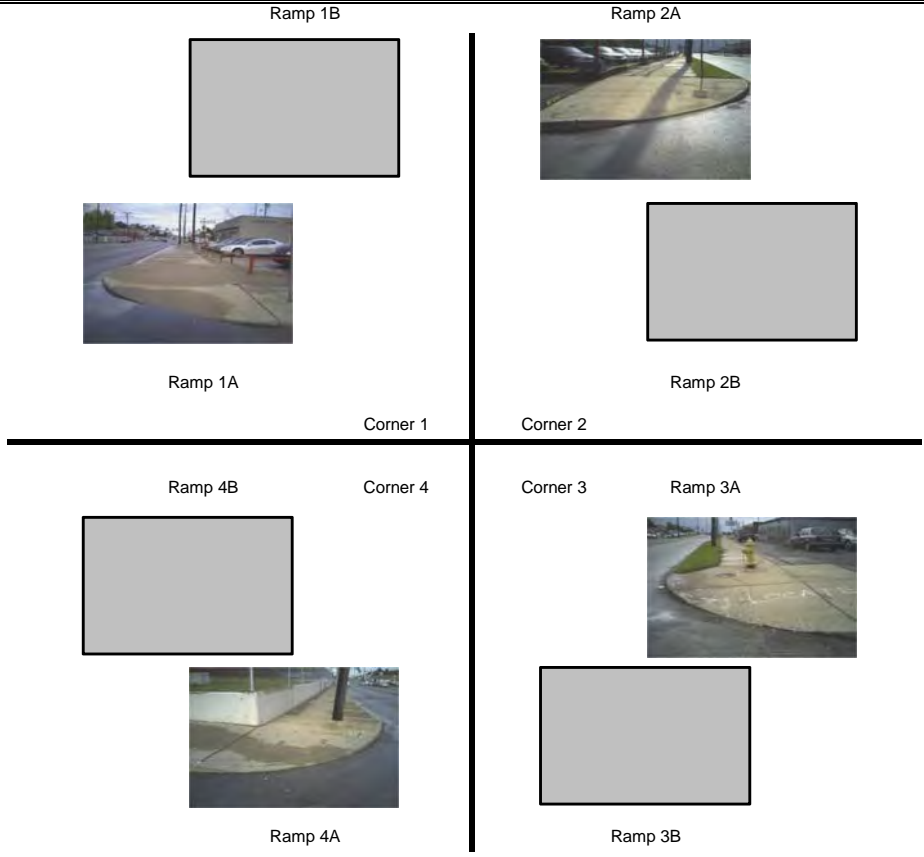
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp	X				X				
Ramp not needed due to existing geometry									
Ramp Priority:	M		H	H	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Braden Ave and E 11th St

GPS ID: 11043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,556.10
Engineering: (% +/-)	15%	\$ 4,047.39
Contingency: (% +/-)	20%	\$ 5,396.51
Estimated Project Cost:	\$	36,000.00

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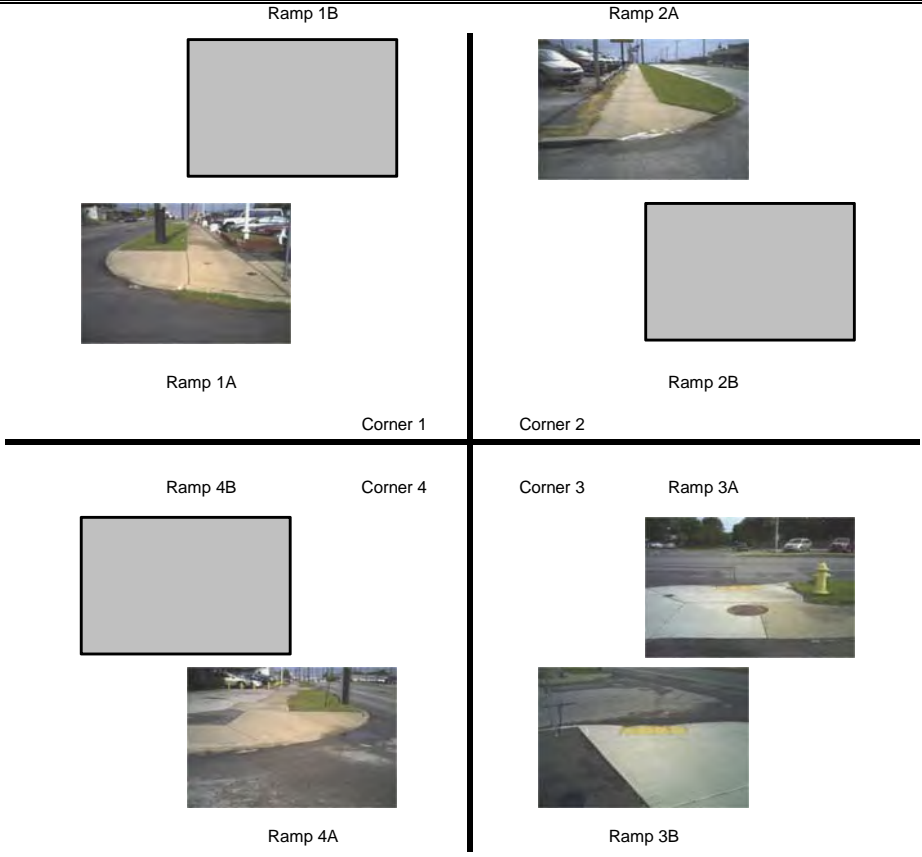
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X			X	X		
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X			X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X		X			X	X		
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		H		H	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Canton Ave and E 11th St

GPS ID: 11044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,556.10
Engineering: (% +/-)	15%	\$ 4,047.39
Contingency: (% +/-)	20%	\$ 5,396.51
Estimated Project Cost:	\$	36,000.00

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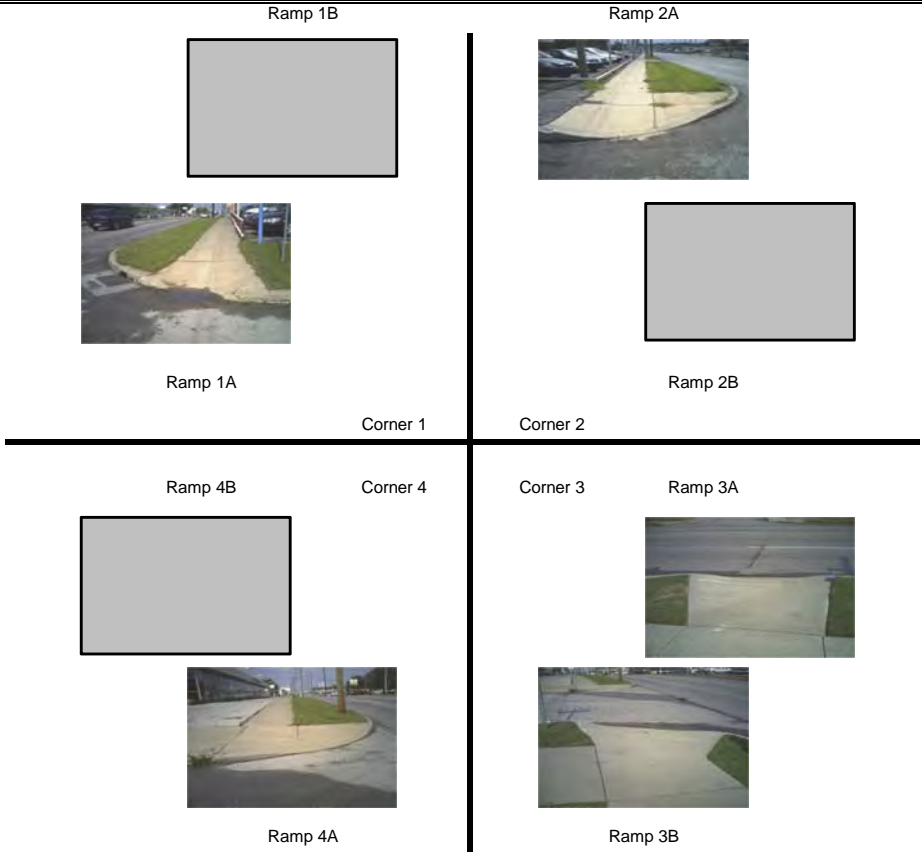
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Danger	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X			X	X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X		X			X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X			X	X		Install colored truncated domes
No color contrast at base of ramp	X		X			X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X			X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X			X	X		Regrade roadway
Ramp not needed due to existing geometry						X			Remove ramp
Ramp Priority:	H		H			H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Darlington Ave
 GPS ID: 11045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Erie Ave and E 11th St

GPS ID: 11046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,859.40
Engineering: (% +/-)	15%	\$ 3,917.40
Contingency: (% +/-)	20%	\$ 5,223.20
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

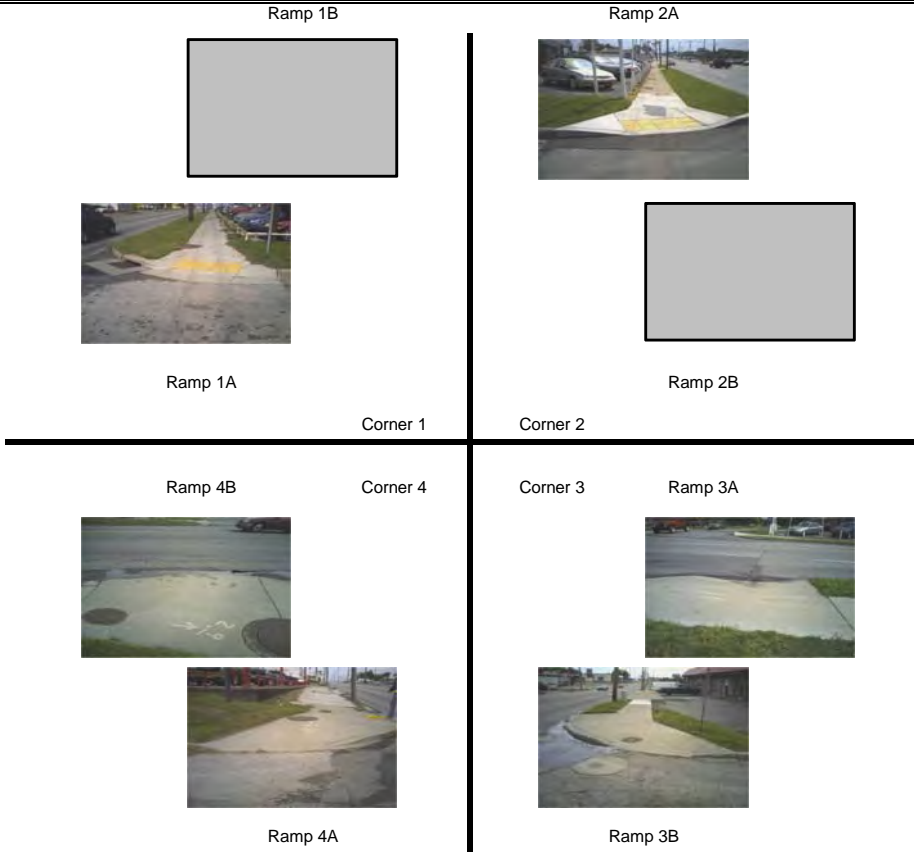
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed							X	X	Remove and replace ramp
Flare cross slope is greater than 10%	X		X				X	X	
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%	X		X				X		Install colored truncated domes
Ramp width is less than 36"							X	X	
Obstruction present in ramp or landing area							X	X	Install landing area
No textured surface at base of ramp							X	X	
No color contrast at base of ramp							X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry							X	X	Remove ramp
Ramp Priority:	H		H		H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Fulton Ave and E 11th St

GPS ID: 11047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,429.70
Engineering: (% +/-)	15%	\$ 2,387.27
Contingency: (% +/-)	20%	\$ 3,183.03
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X		X			Install colored truncated domes
No color contrast at base of ramp				X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp				X		X			Regrade roadway
Ramp not needed due to existing geometry							X		Remove ramp
Ramp Priority:	-	-	-	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Hudson Ave and E 11th St

GPS ID: 11048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,252.80
Engineering: (% +/-)	15%	\$ 2,891.66
Contingency: (% +/-)	20%	\$ 3,855.54
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

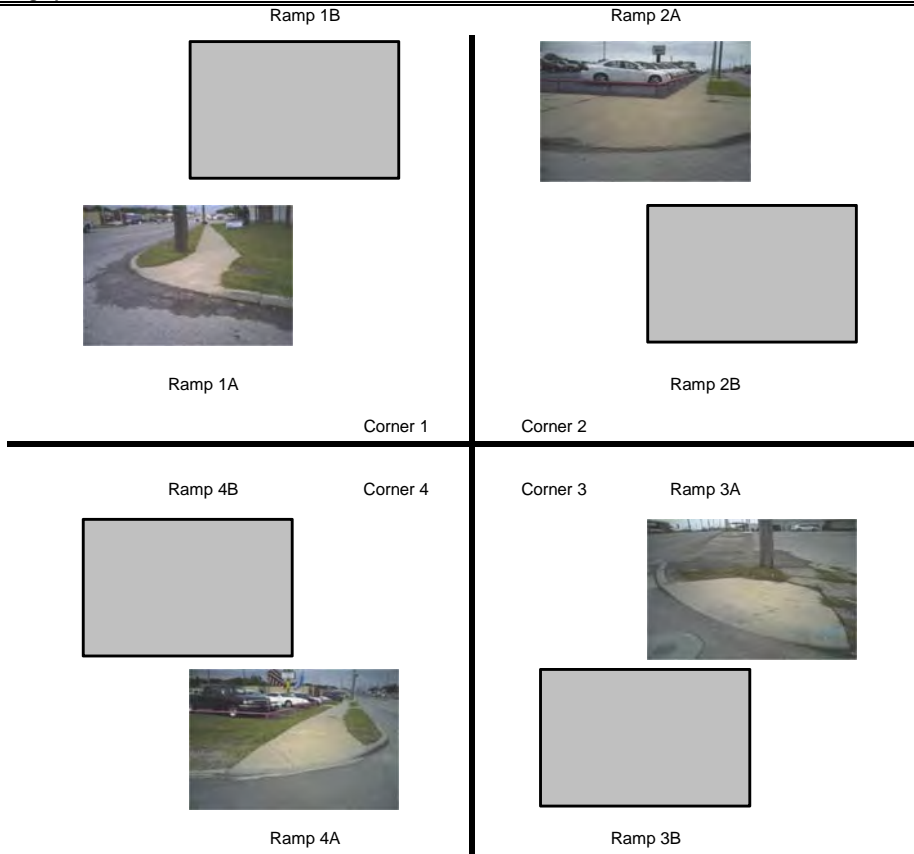
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Joplin Ave and E 11th St

GPS ID: 11049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,075.20
Engineering: (% +/-)	15%	\$ 1,682.06
Contingency: (% +/-)	20%	\$ 2,242.74
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

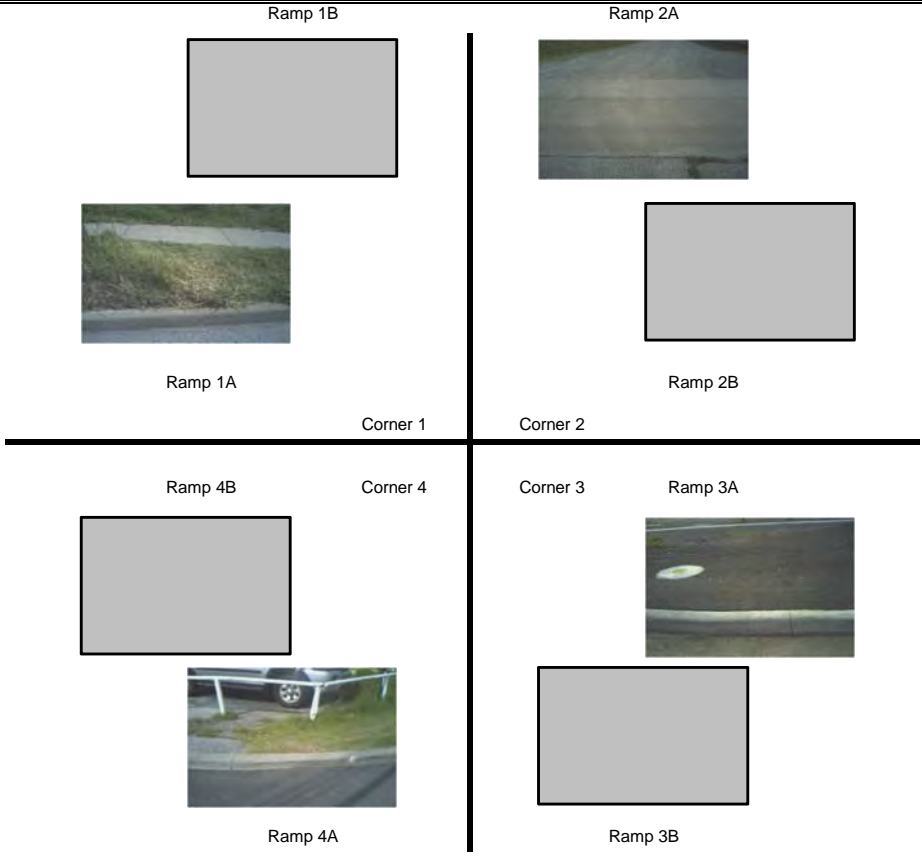
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Lakewood Ave

GPS ID: 11050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

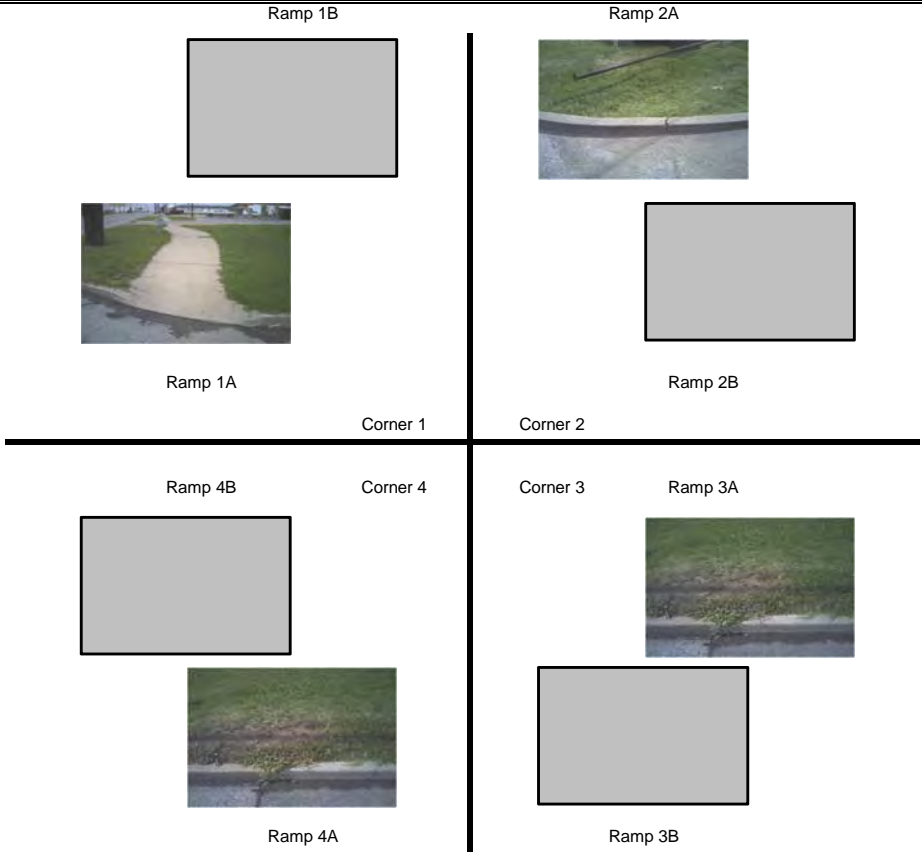
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S Maplewood Ave

GPS ID: 11051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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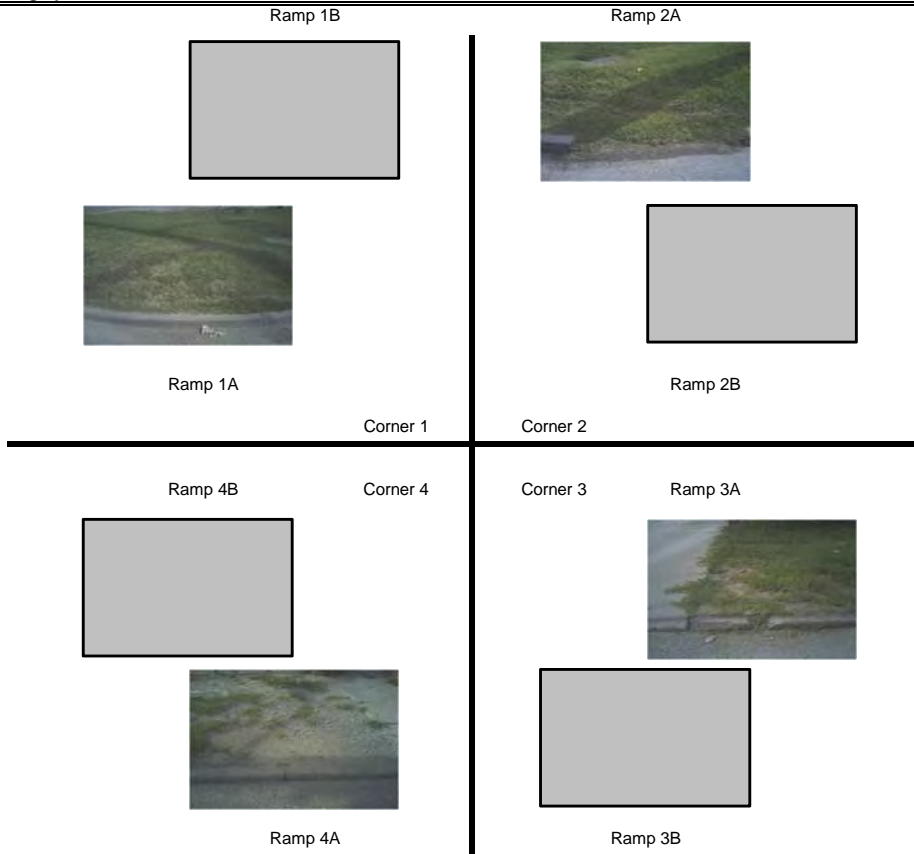
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Norwood Ave and E 11th St

GPS ID: 11052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

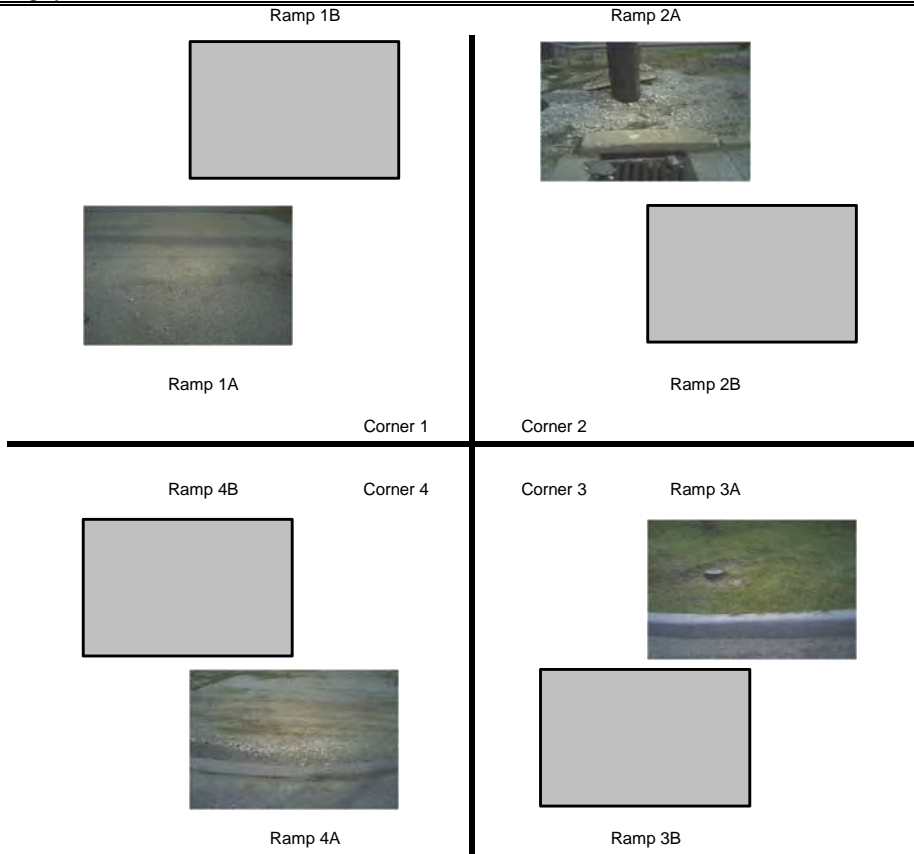
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Oxford Ave and E 11th St

GPS ID: 11053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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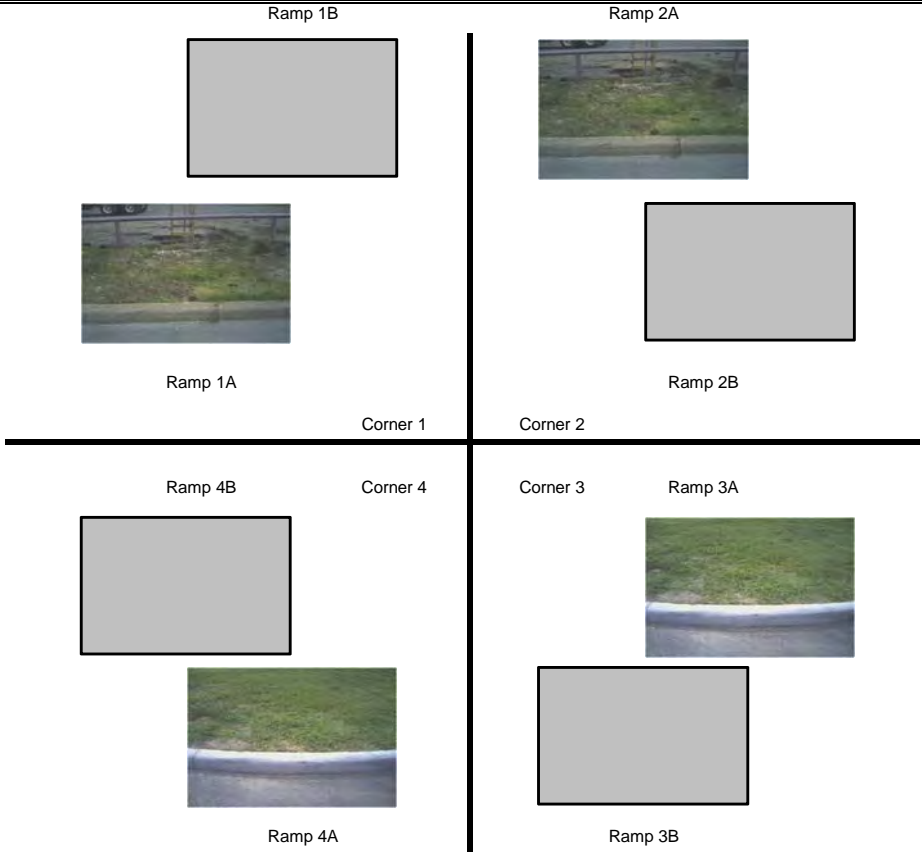
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 67th East Ave

GPS ID: 11054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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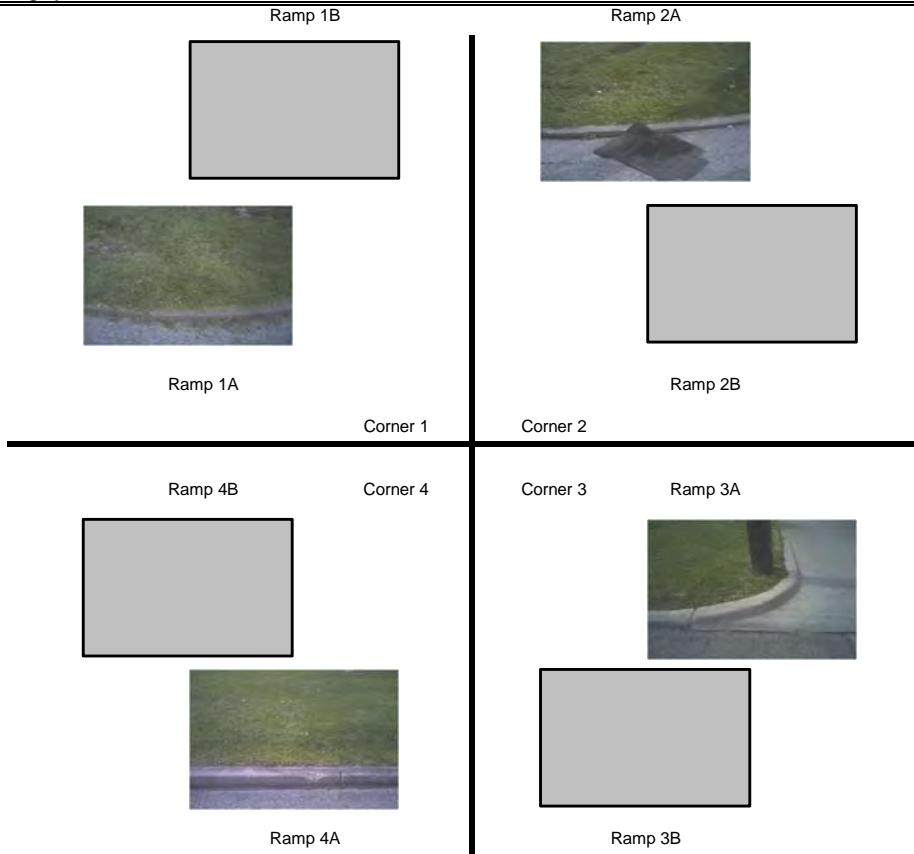
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 69th East Ave and E 11th St

GPS ID: 11055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,595.20
Engineering: (% +/-)	15%	\$ 2,744.91
Contingency: (% +/-)	20%	\$ 3,659.89
Estimated Project Cost:	\$	22,000.00

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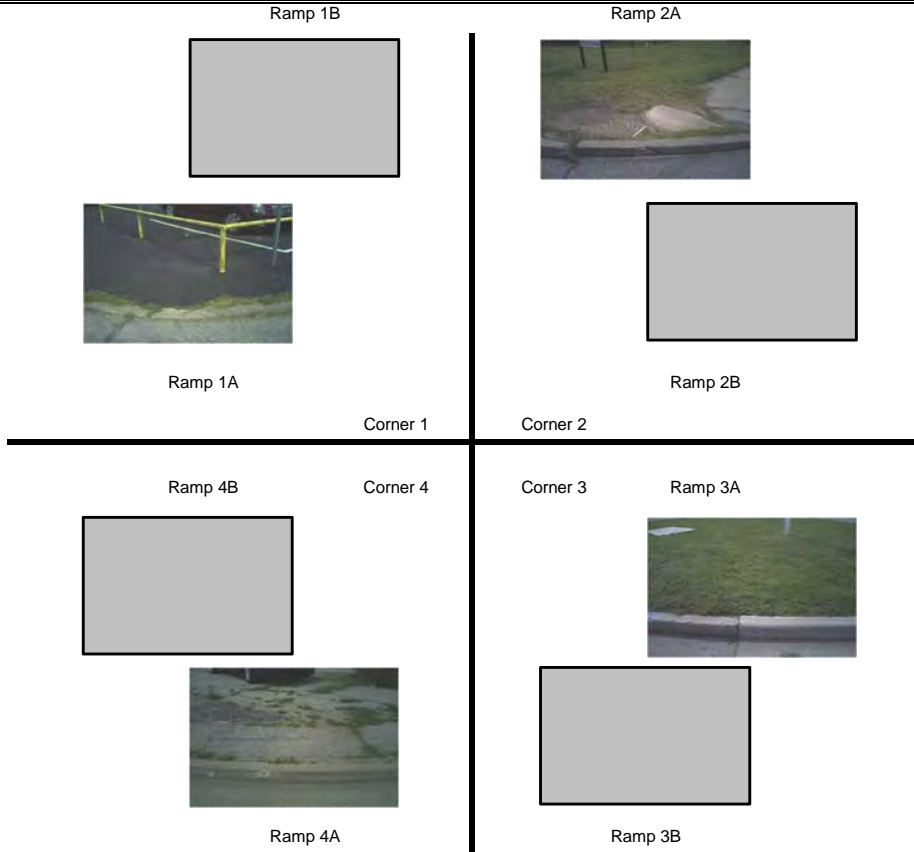
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 71st East Ave (north)

GPS ID: 11056

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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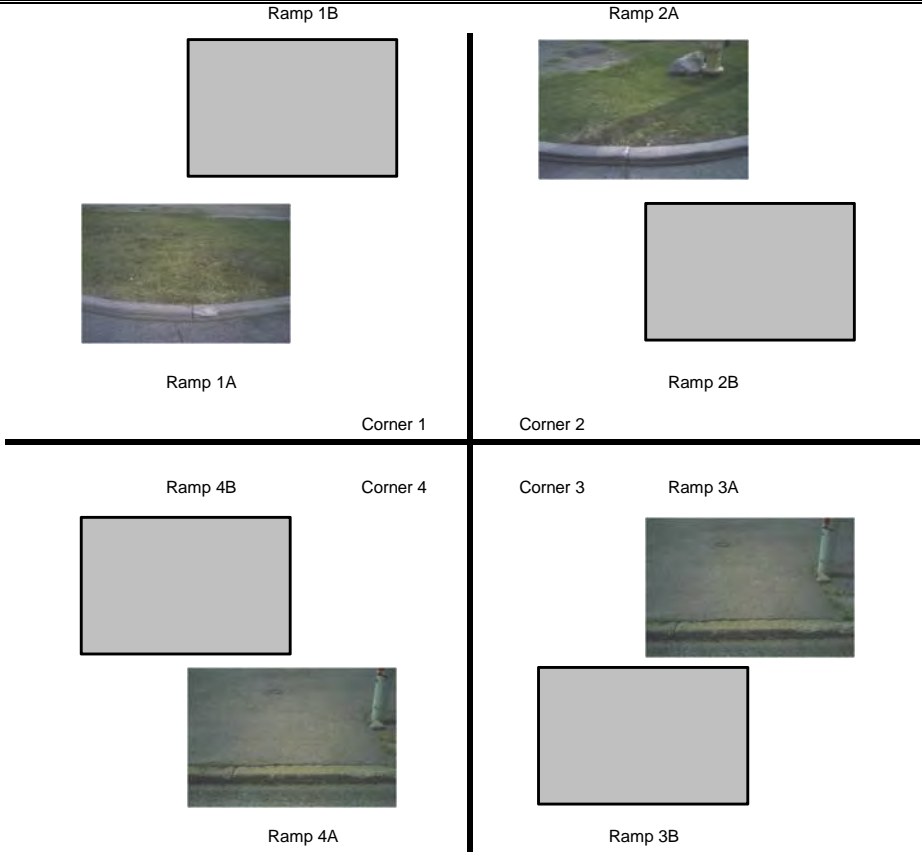
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 71st East Ave (south)

GPS ID: 11057

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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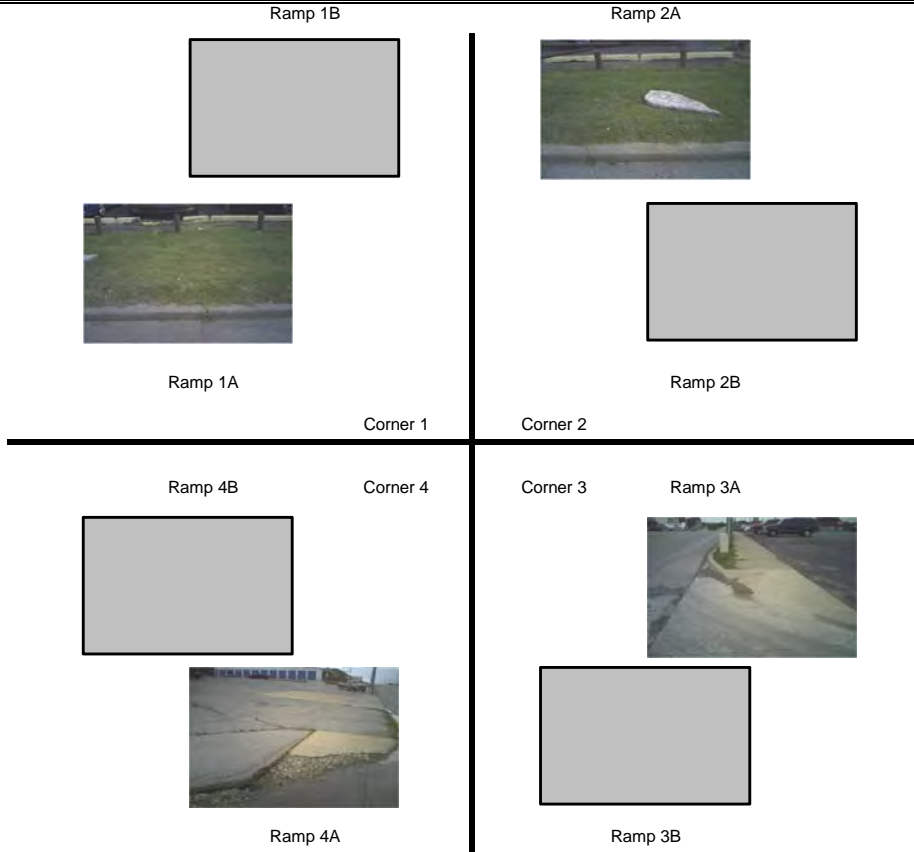
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp						X	X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 93rd East Ave and E 11th St

GPS ID: 11058

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,874.20
Engineering: (% +/-)	15%	\$ 1,768.20
Contingency: (% +/-)	20%	\$ 2,357.60
Estimated Project Cost:	\$	15,000.00

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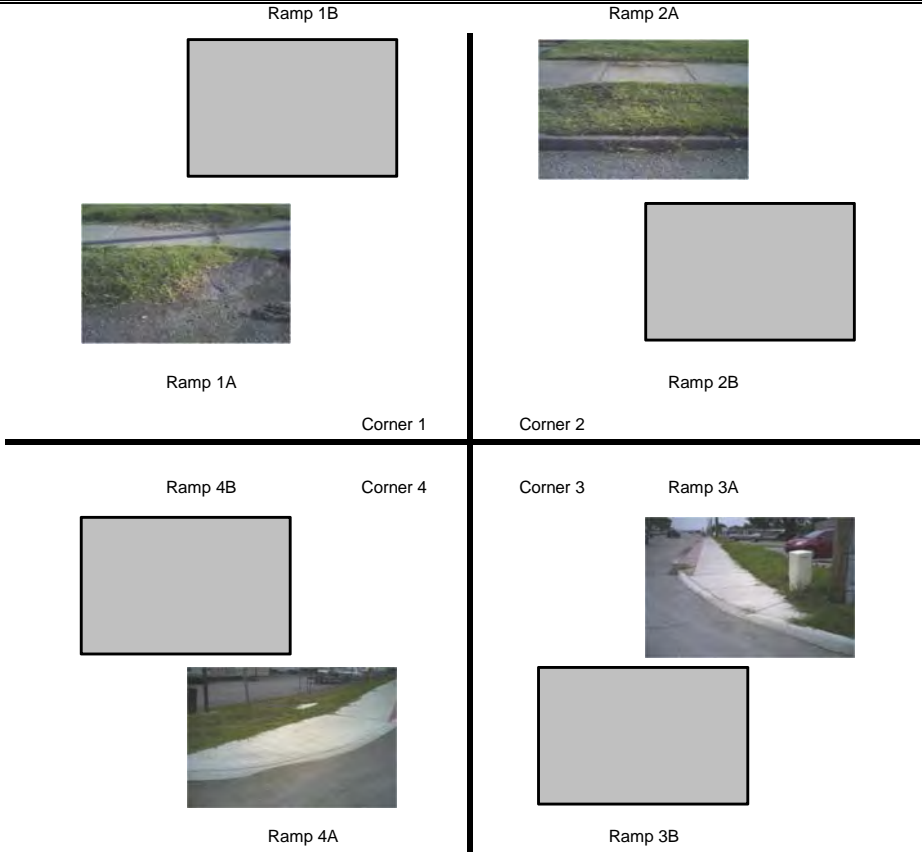
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					Remove and replace ramp
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%				X					
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp				X		X			
No color contrast at base of ramp				X		X			Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 74th East Ave and E 11th St

GPS ID: 11059

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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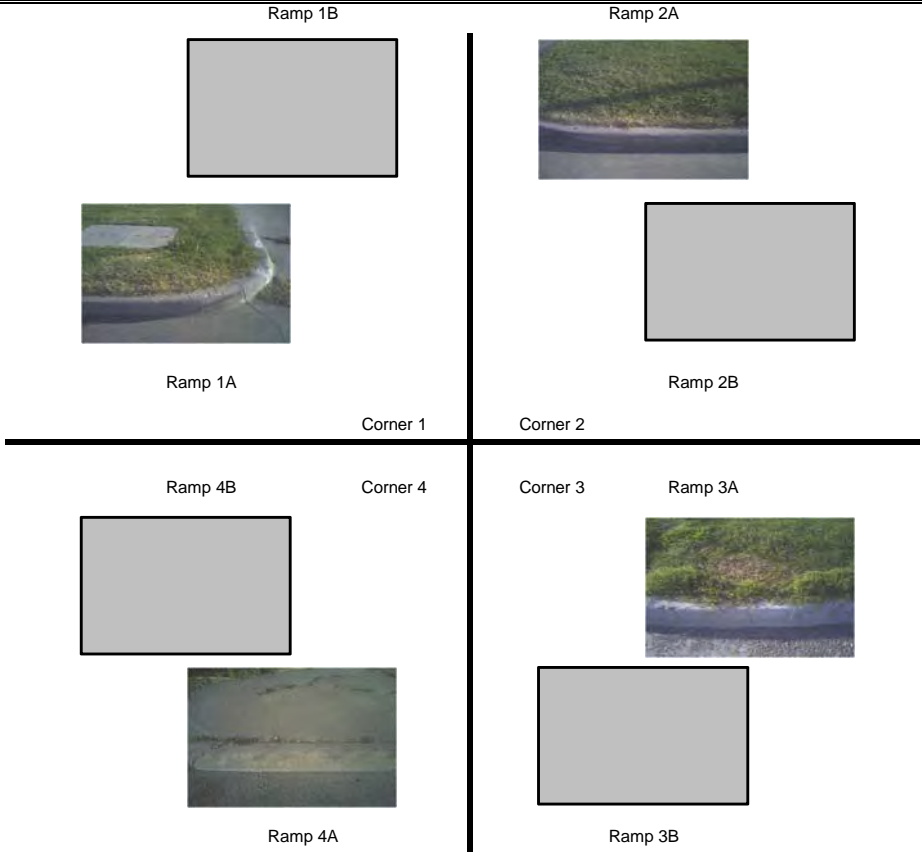
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 75th East Ave and E 11th St

GPS ID: 11060

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

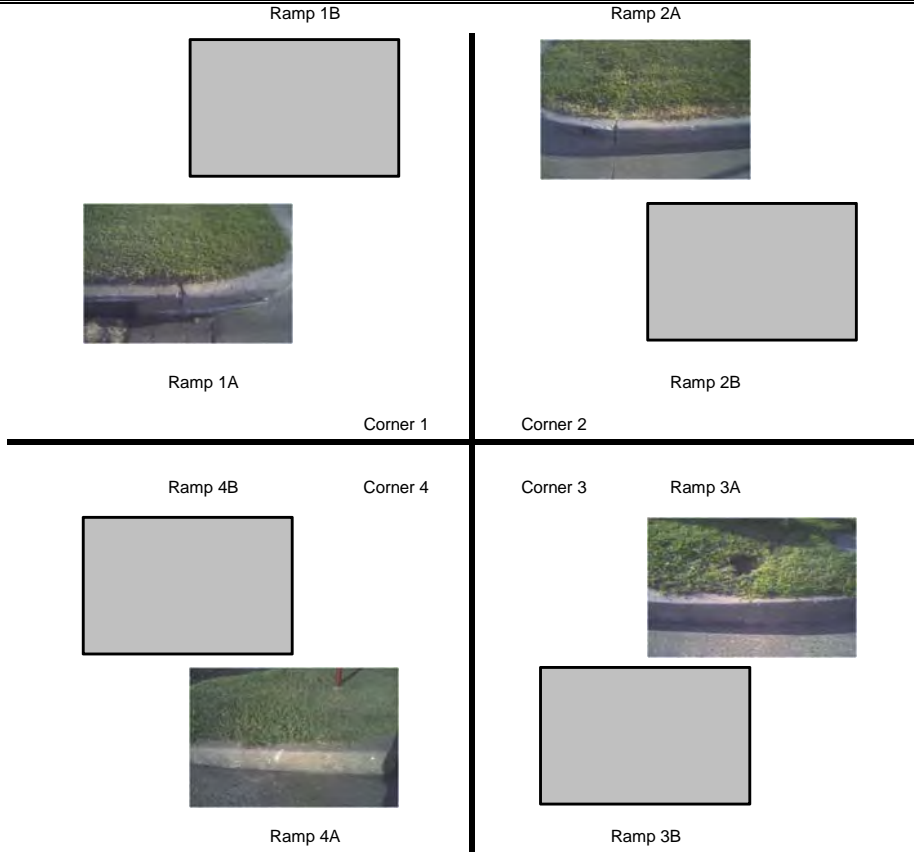
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 76th East Ave and E 11th St

GPS ID: 11061

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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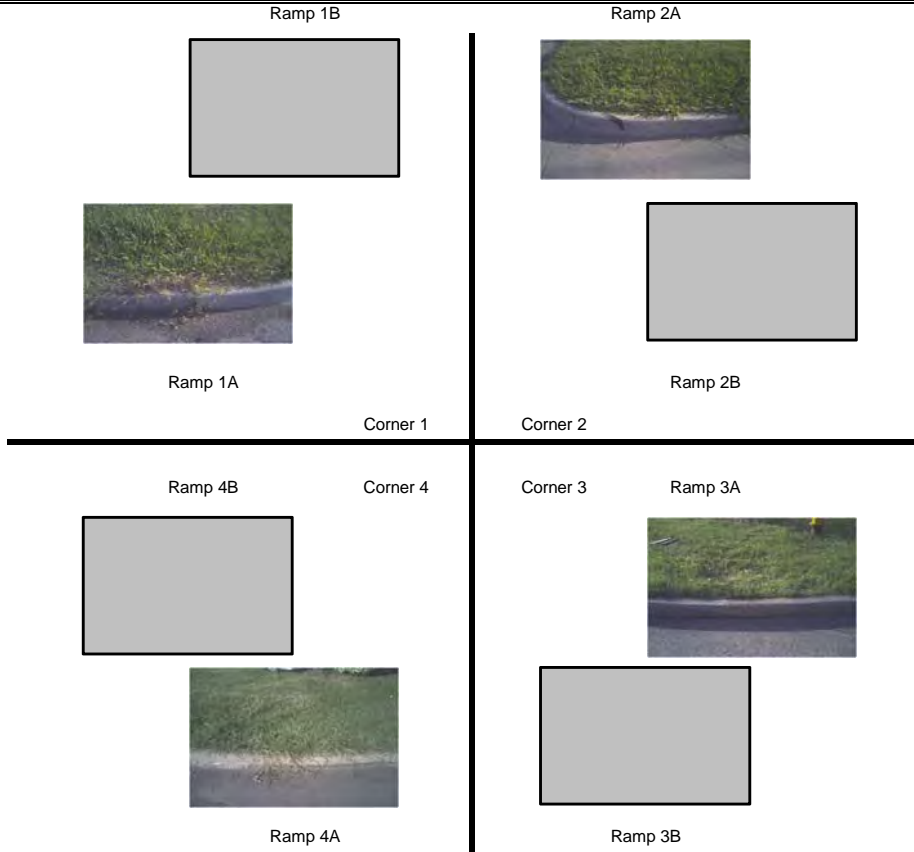
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 77th East Ave

GPS ID: 11062

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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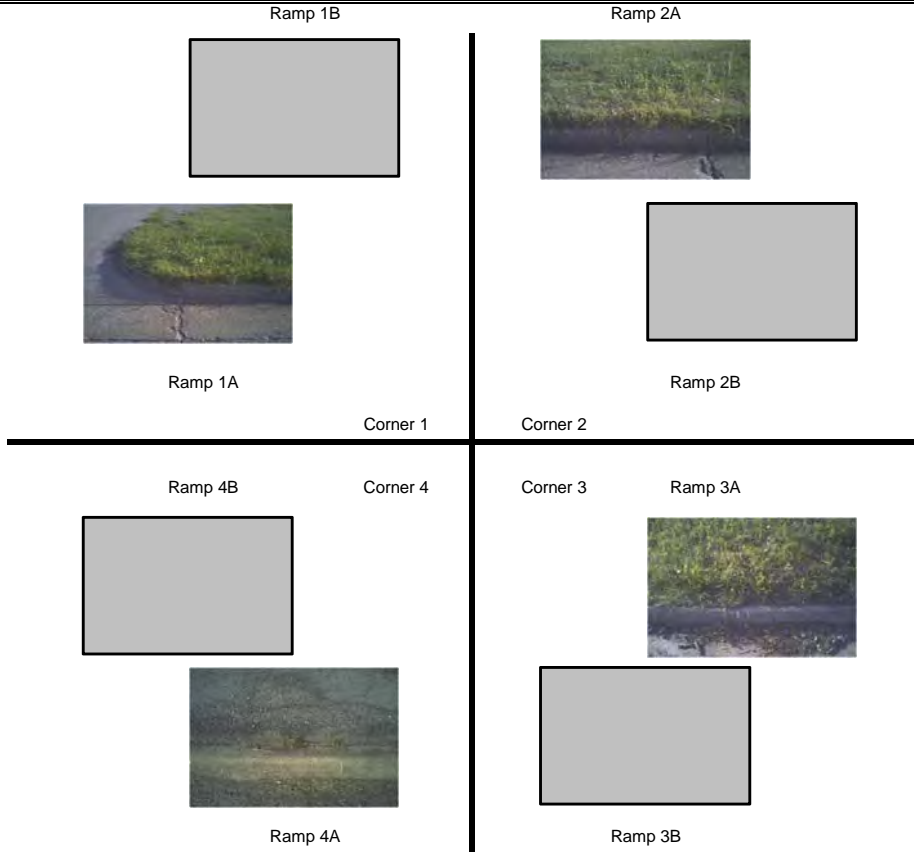
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 79th East Ave and E 11th St

GPS ID: 11063

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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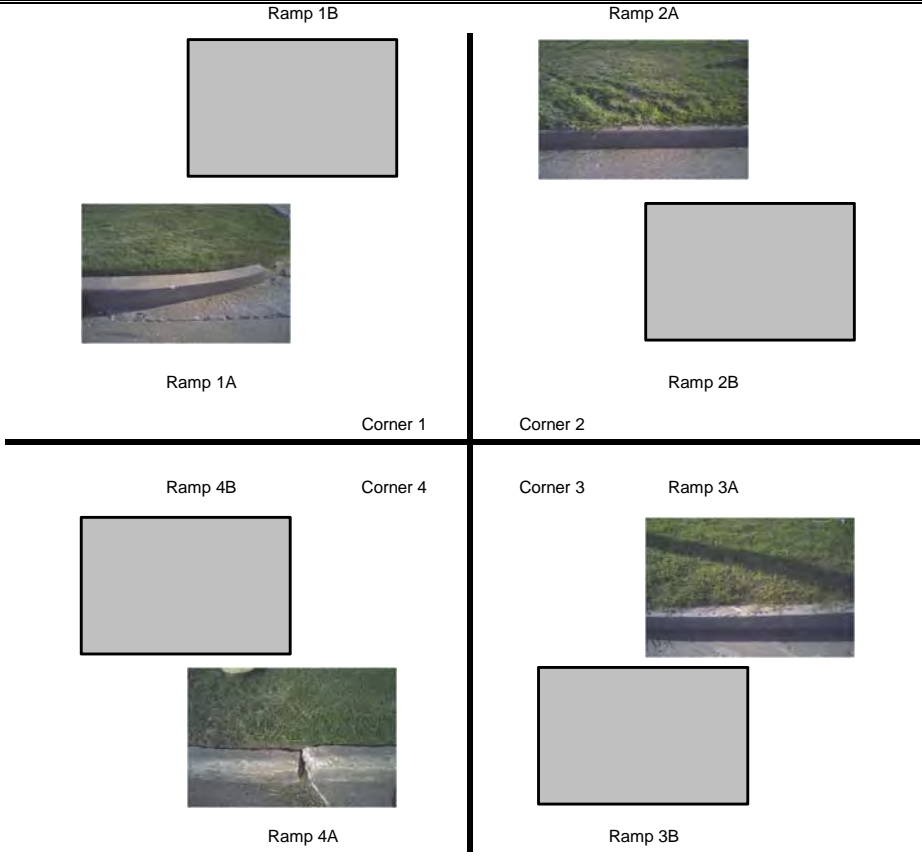
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 83rd East Ave

GPS ID: 11064

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

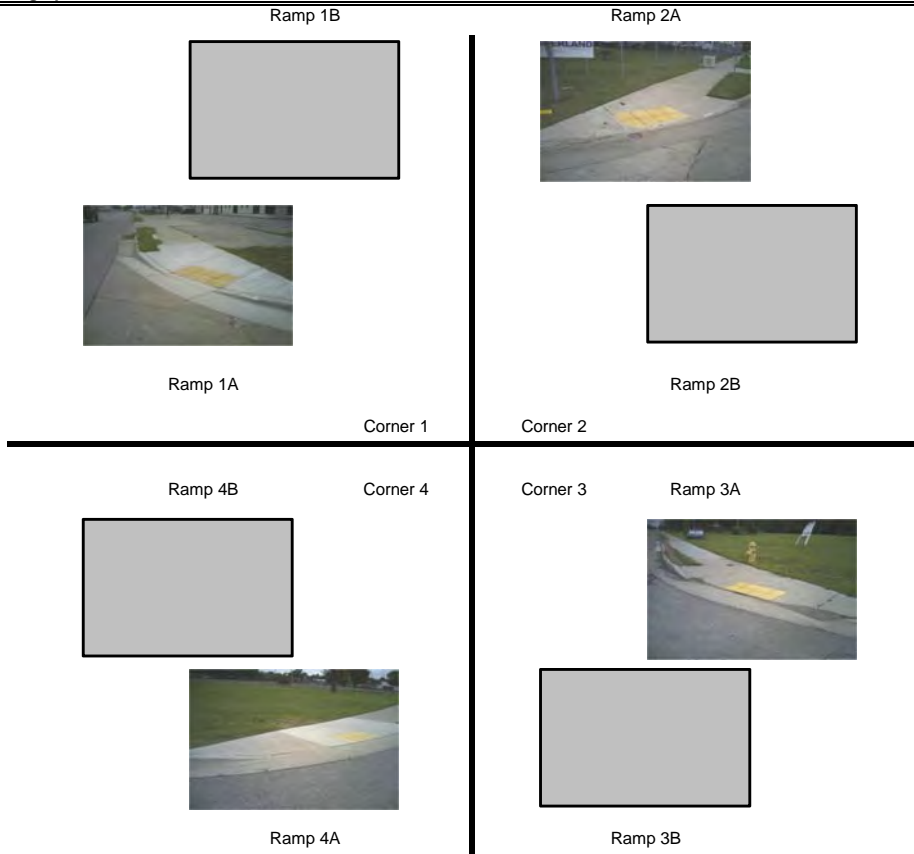
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X			
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X			Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 85th East Ave and E 11th St

GPS ID: 11065

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,426.97
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Good	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X	X			
Ramp running slope is greater than 8.33%	X				X	X			
Ramp cross slope is greater than 2%	X		X		X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp	X		X		X	X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 87th East Ave and E 11th St

GPS ID: 11066

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	320	LF	\$ 6.50	\$ 2,080.00
5:	PAVEMENT MARKING REMOVAL	160	LF	\$ 2.00	\$ 320.00
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,612.80
Engineering: (% +/-)	15%	\$ 3,594.51
Contingency: (% +/-)	20%	\$ 4,792.69
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

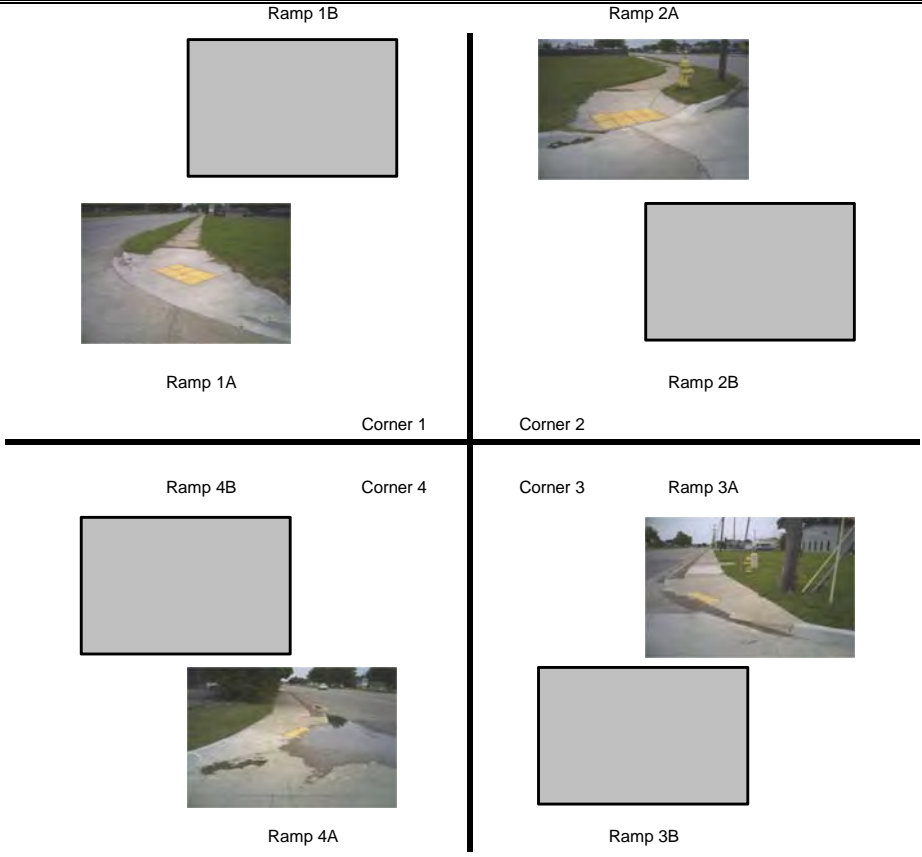
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 89th East Ave

GPS ID: 11067

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,426.97
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Good	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X		X				X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 91st East Ave

GPS ID: 11068

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 95th East Ave

GPS ID: 11069

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,435.20
Engineering: (% +/-)	15%	\$ 1,956.34
Contingency: (% +/-)	20%	\$ 2,608.46
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 107th East Ave
 GPS ID: 11070

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,700.60
Engineering: (% +/-)	15%	\$ 3,128.31
Contingency: (% +/-)	20%	\$ 4,171.09
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 111th East Ave
 GPS ID: 11071

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

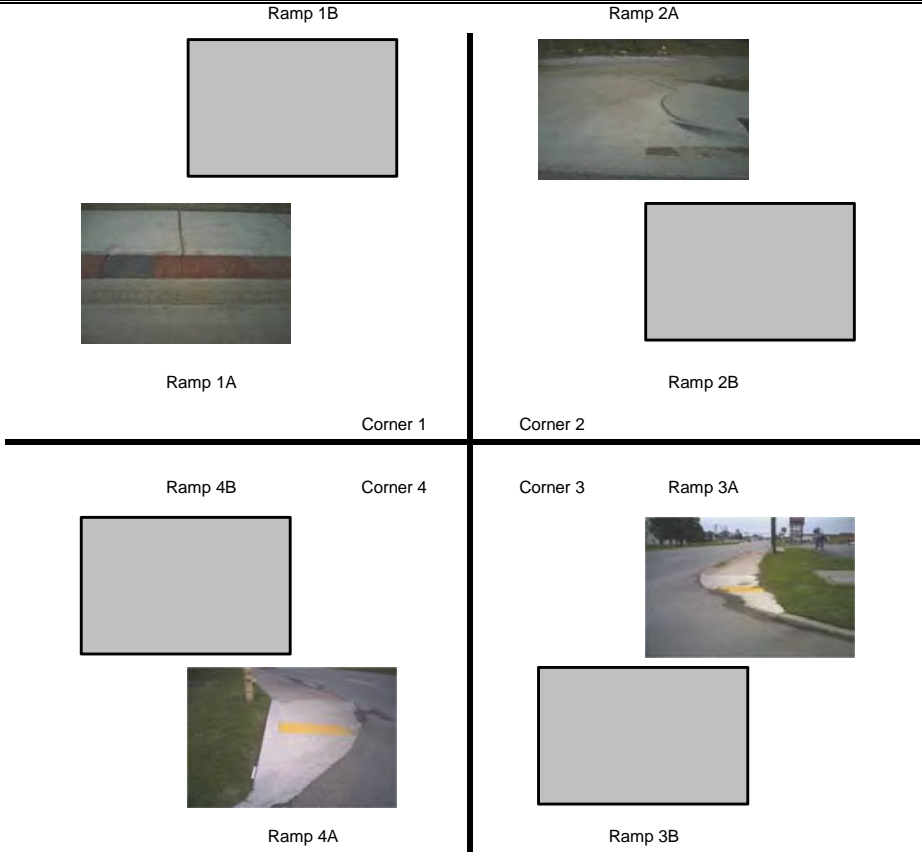
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and I-44 WB Exit Ramp

GPS ID: 11071a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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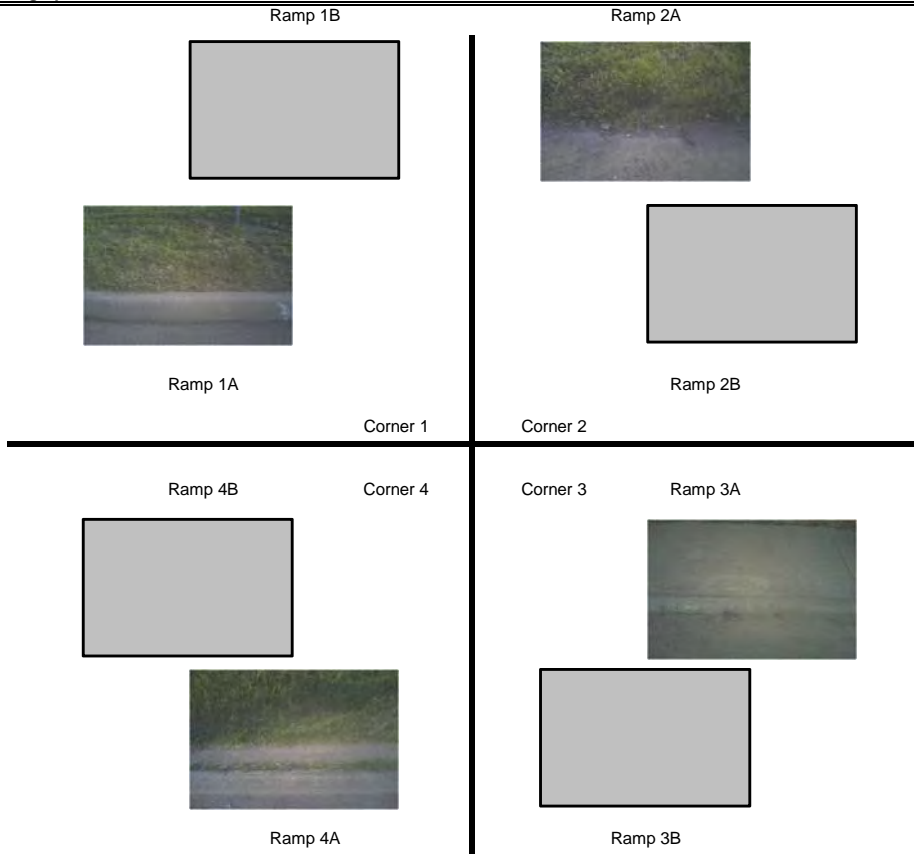
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and I-44 EB Ramp

GPS ID: 11071b

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,424.00
Engineering: (% +/-)	15%	\$ 2,818.29
Contingency: (% +/-)	20%	\$ 3,757.71
Estimated Project Cost:	\$	25,000.00

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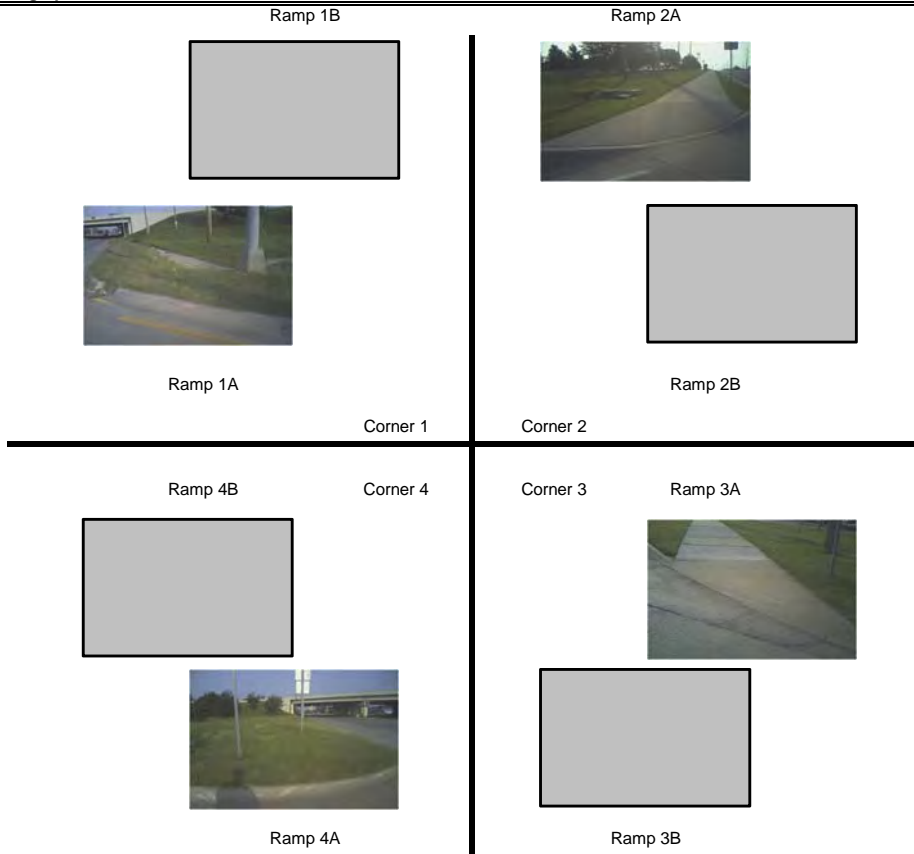
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X							X	Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"			X		X				
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 119th East Ave and E 11th St GPS ID: 11072

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	11,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,088.69
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,784.91
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 120th East Ave and E 11th St
 GPS ID: 11073

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,735.20
Engineering: (% +/-)	15%	\$ 970.63
Contingency: (% +/-)	20%	\$ 1,294.17
Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp				X					
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 123rd East Ave
 GPS ID: 11074

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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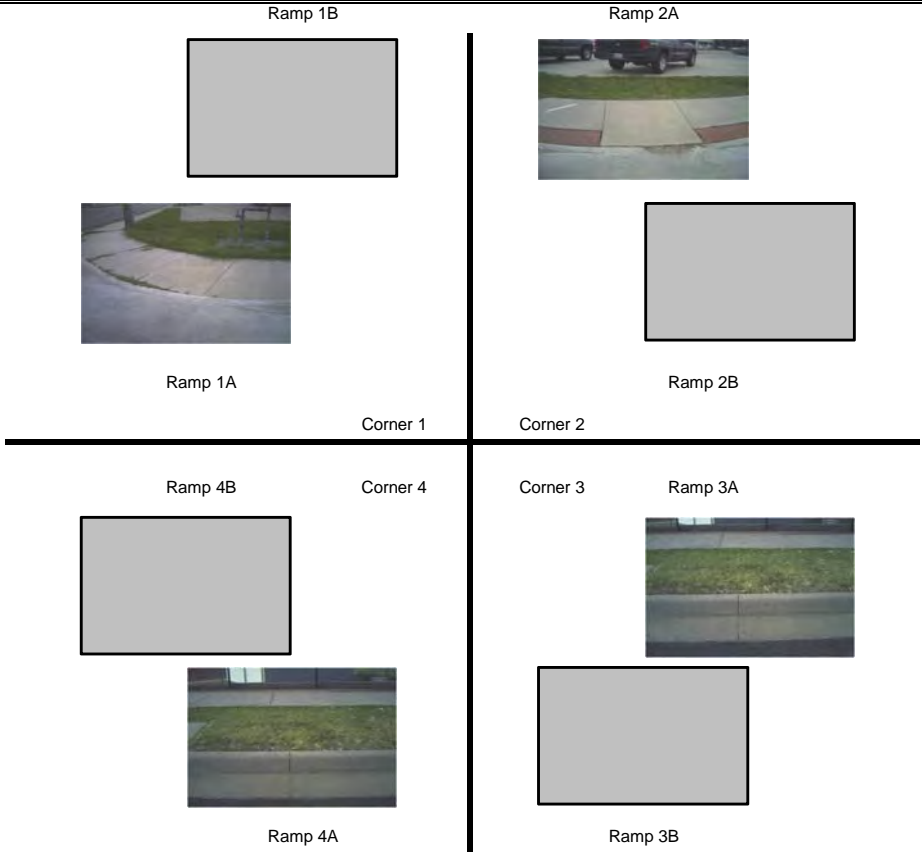
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 124th East Ave

GPS ID: 11075

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,344.00
Engineering: (% +/-)	15%	\$ 709.71
Contingency: (% +/-)	20%	\$ 946.29
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 11th St and S 127th East Ave
 GPS ID: 11076

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,606.40
Engineering: (% +/-)	15%	\$ 1,454.40
Contingency: (% +/-)	20%	\$ 1,939.20
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	-	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Atlanta Ave and E 15th St

GPS ID: 12018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,569.83
Estimated Project Cost:	\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

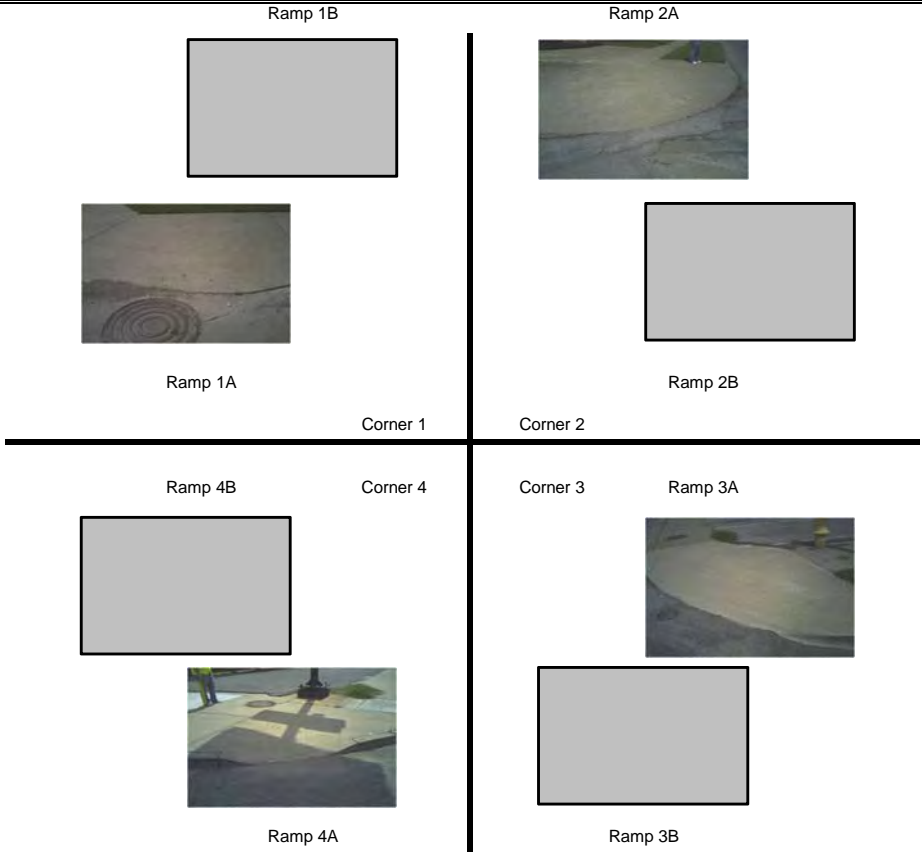
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"					X		X		
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Columbia Ave

GPS ID: 12020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

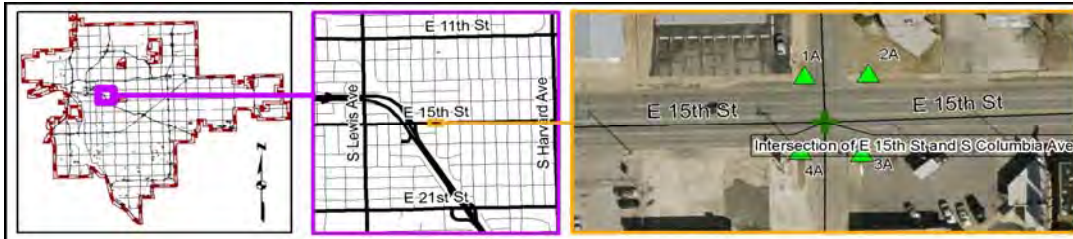
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Columbia Pl and E 15th St

GPS ID: 12021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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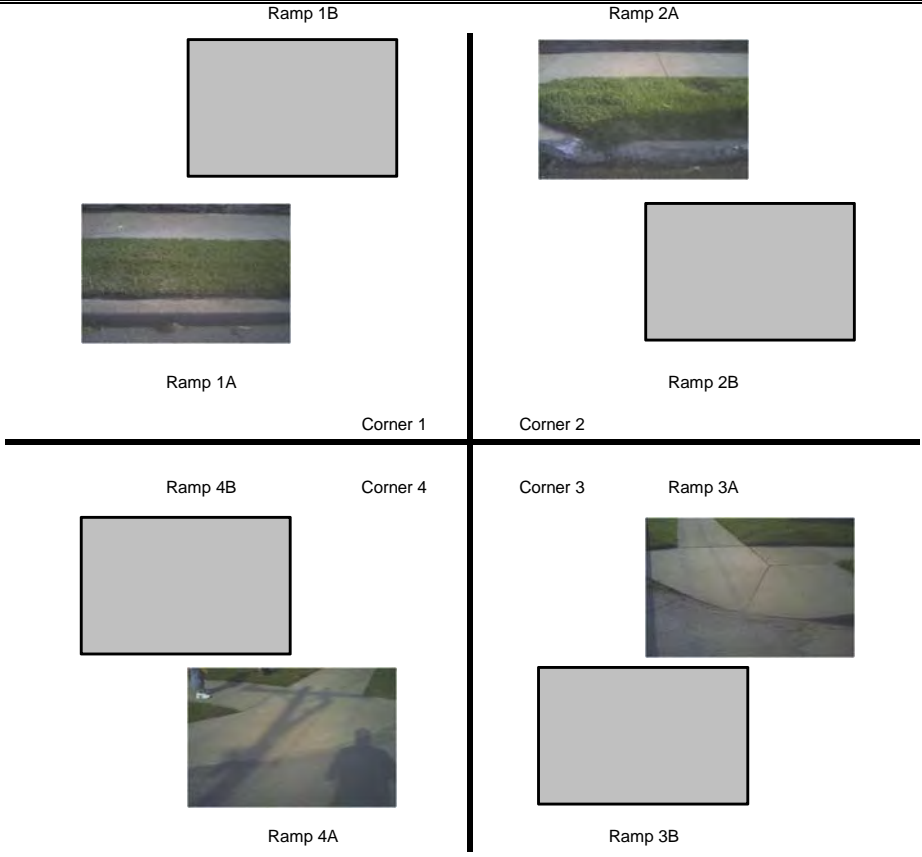
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:					H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Pl and E 15th St

GPS ID: 12023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,838.40
Engineering: (% +/-)	15%	\$ 3,926.40
Contingency: (% +/-)	20%	\$ 5,235.20
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

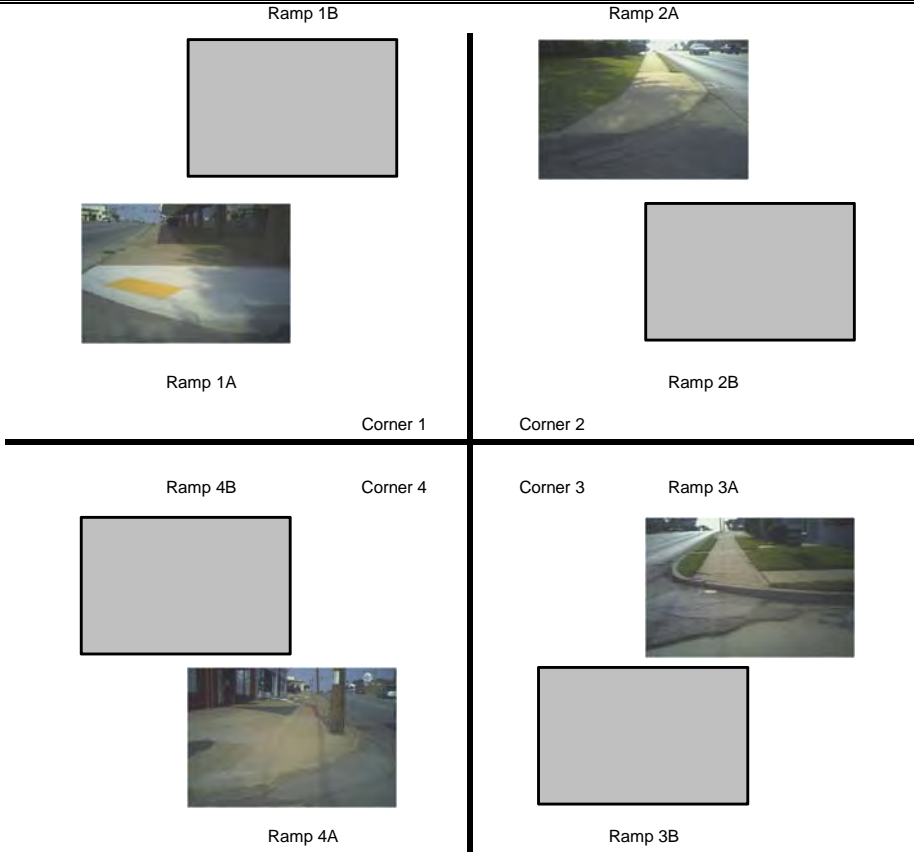
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID						Recommendations
	1A	1B	2A	2B	3A	3B	
Ramp does not land in crosswalk	X		X			X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X		
Ramp does not exist and is needed						X	Install handicap ramp
Flare cross slope is greater than 10%						X	Remove and replace ramp
Ramp running slope is greater than 8.33%			X			X	
Ramp cross slope is greater than 2%						X	
Ramp width is less than 36"						X	
Obstruction present in ramp or landing area							Install colored truncated domes
No textured surface at base of ramp			X			X	
No color contrast at base of ramp			X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X			X	Install landing area
No pedestrian push buttons							
Pedestrian pushbutton diameter is not 2"							
Pedestrian pushbutton height is greater than 42"							
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X			X	
Ponding occurs at base of ramp							
Ramp not needed due to existing geometry							
Ramp Priority:	M		H		H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Evanston Ave and E 15th St

GPS ID: 12024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,749.60
Engineering: (% +/-)	15%	\$ 3,535.89
Contingency: (% +/-)	20%	\$ 4,714.51
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

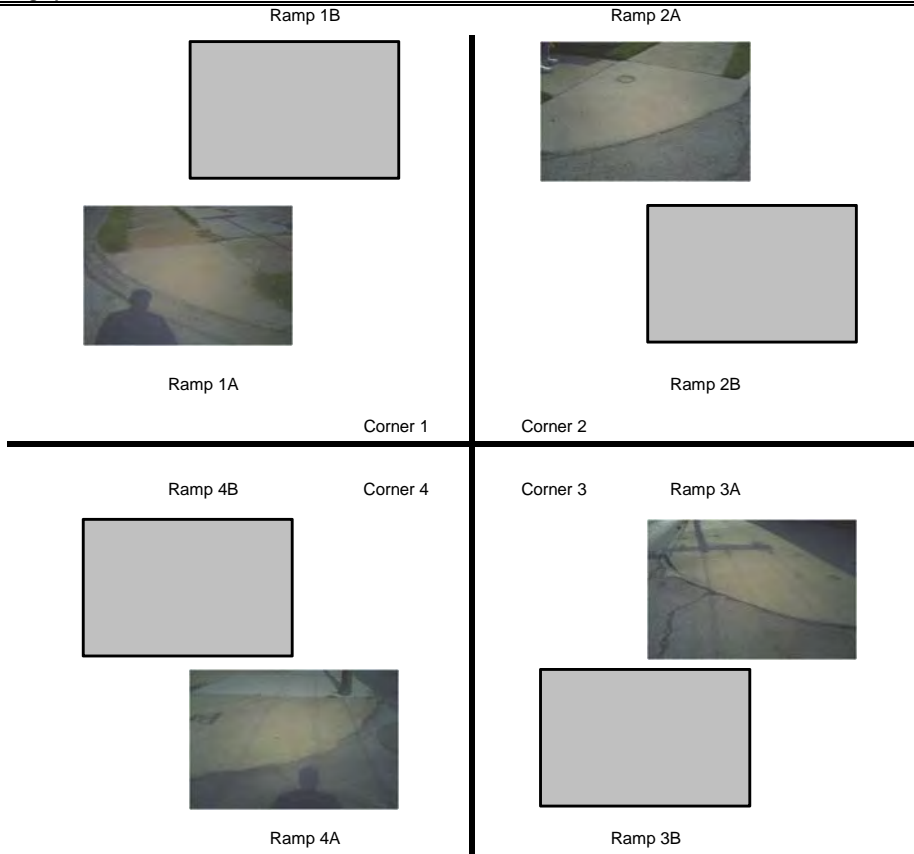
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X	Install colored truncated domes	
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X			Install landing area	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X					Regrade roadway	
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		M		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S College Ave and E 15th St

GPS ID: 12025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X	X			
No color contrast at base of ramp	X		X		X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"							X		
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Florence Ave and E 15th St

GPS ID: 12026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,000.60
Engineering: (% +/-)	15%	\$ 3,428.31
Contingency: (% +/-)	20%	\$ 4,571.09
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

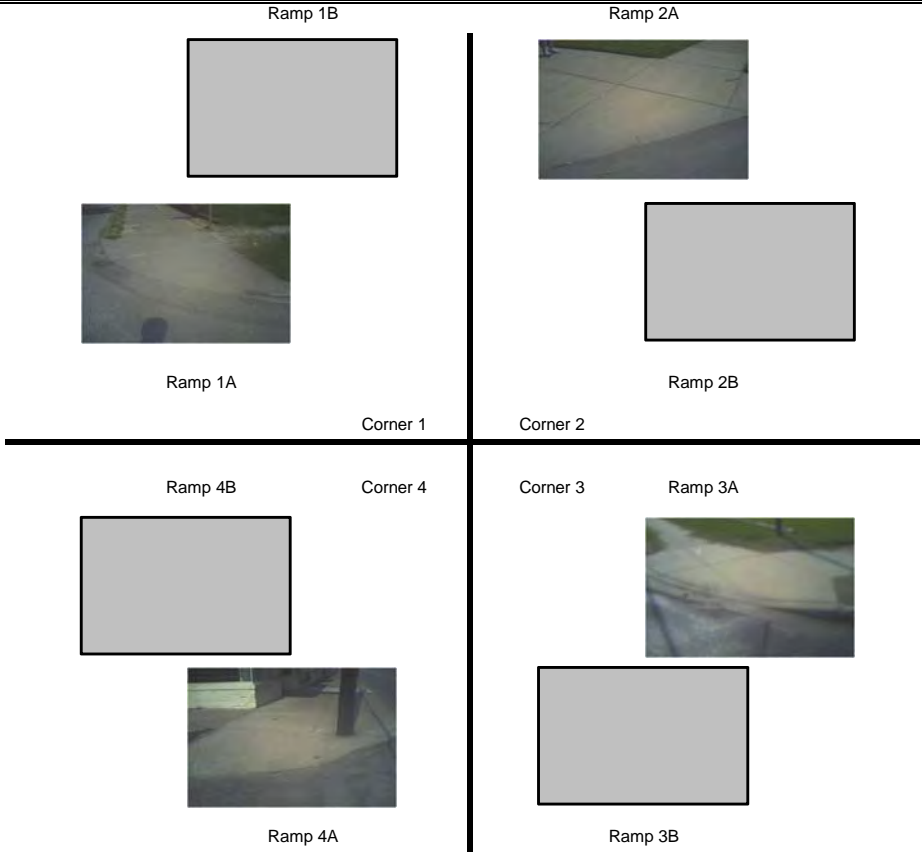
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	
No color contrast at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Florence Pl and E 15th St

GPS ID: 12027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,424.00
Engineering: (% +/-)	15%	\$ 3,675.43
Contingency: (% +/-)	20%	\$ 4,900.57
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

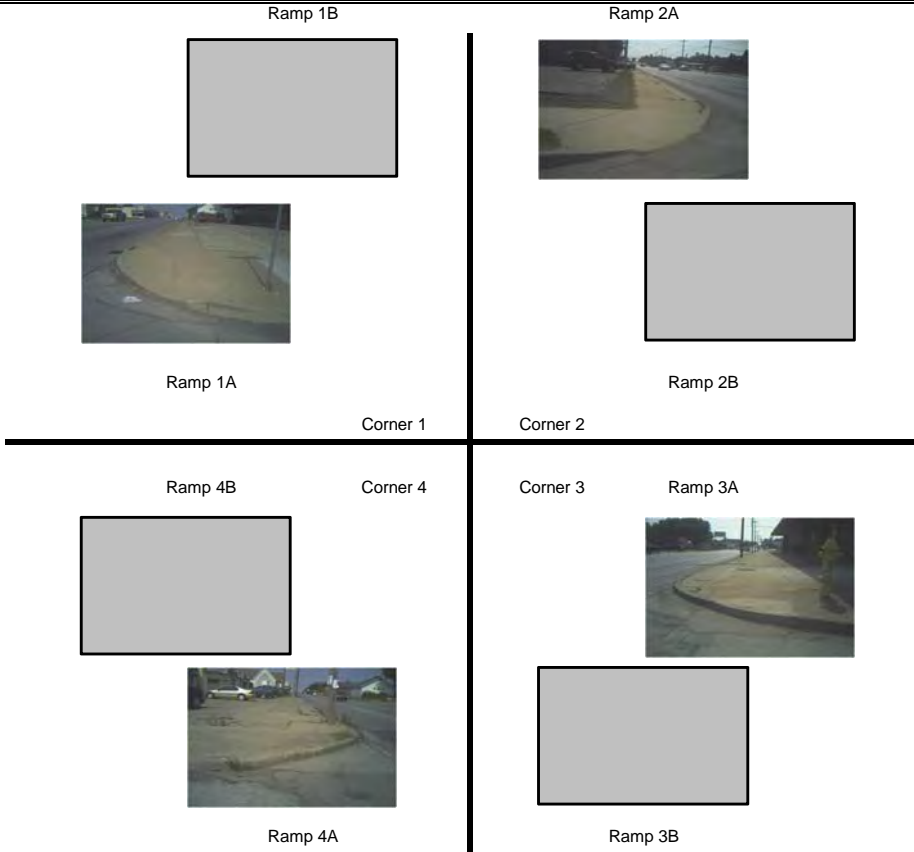
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Danger	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk					X	X			
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X	X							
Ramp running slope is greater than 8.33%	X	X							
Ramp cross slope is greater than 2%	X	X							
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X	X							
No color contrast at base of ramp	X	X							
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X							Install landing area
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Install landing area
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H	M	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Gary Ave and E 15th St

GPS ID: 12028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,838.40
Engineering: (% +/-)	15%	\$ 3,497.83
Contingency: (% +/-)	20%	\$ 4,663.77
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

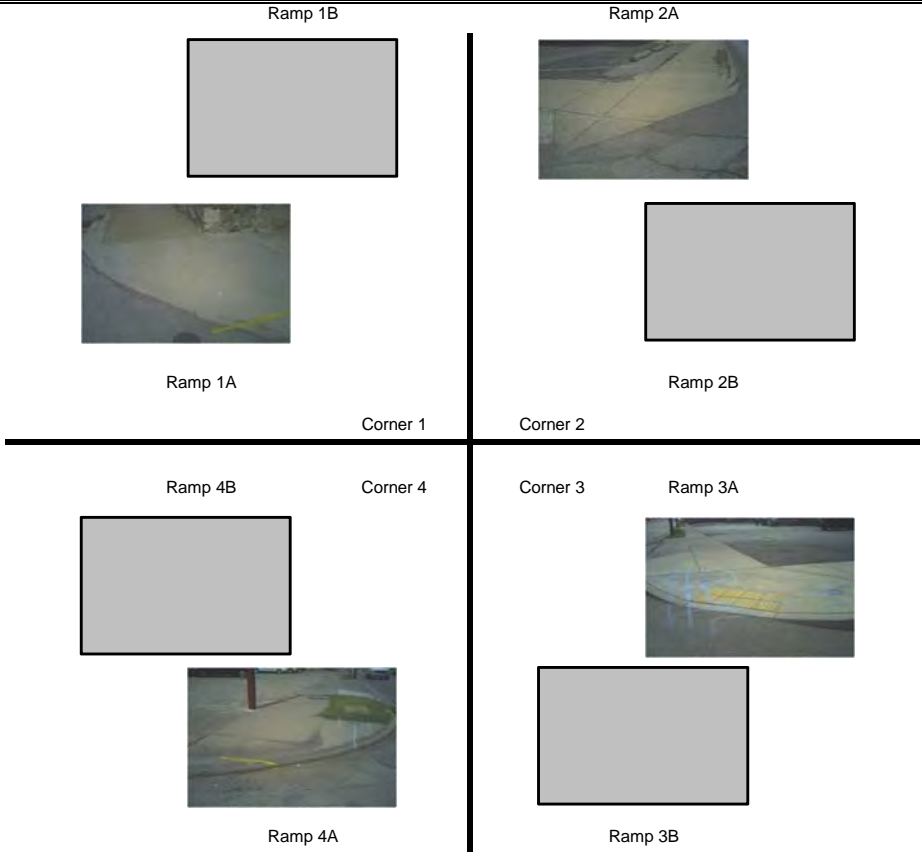
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Danger	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk								X	
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Gary Pl and E 15th St

GPS ID: 12029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,141.70
Engineering: (% +/-)	15%	\$ 3,796.41
Contingency: (% +/-)	20%	\$ 5,061.89
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

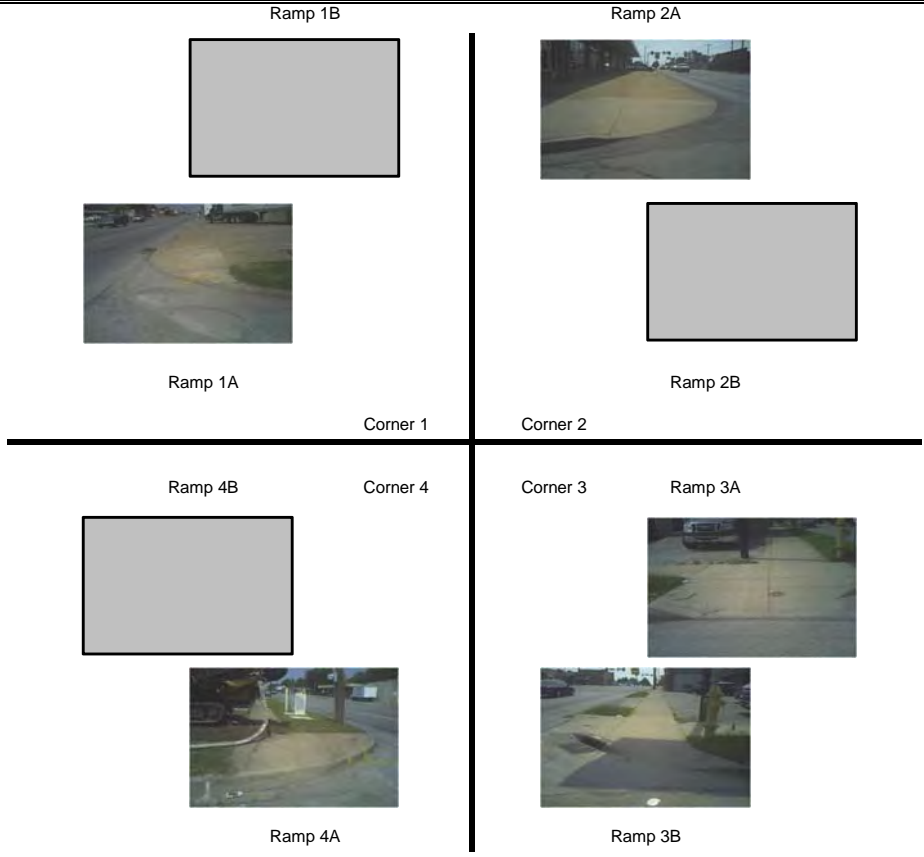
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Danger	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X			X			
Ramp cross slope is greater than 2%	X		X			X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X			X			Install colored truncated domes
No color contrast at base of ramp	X		X			X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		M		M	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Indianapolis Ave and E 15th St

GPS ID: 12030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

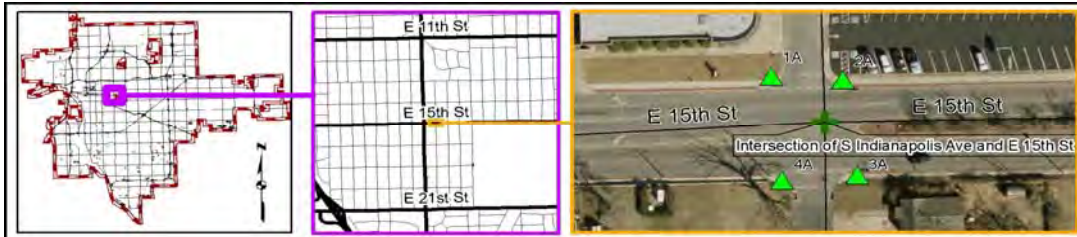
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	31,000.00

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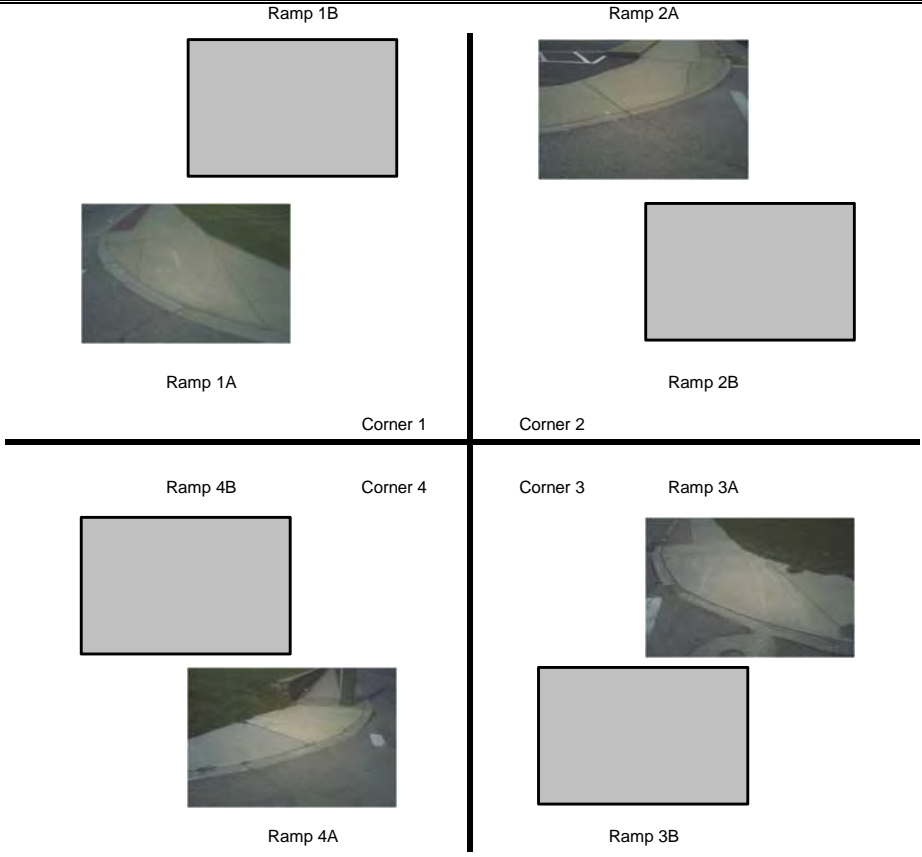
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	-	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Jamestown Ave and E 15th St

GPS ID: 12031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	-	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	N/A	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X		X		X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X	X			Install colored truncated domes
No color contrast at base of ramp	X		X		X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Knoxville Ave and E 15th St

GPS ID: 12032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,732.80
Engineering: (% +/-)	15%	\$ 2,685.94
Contingency: (% +/-)	20%	\$ 3,581.26
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	-	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Louisville Ave

GPS ID: 12033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,556.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,212.80
Engineering: (% +/-)	15%	\$ 2,908.80
Contingency: (% +/-)	20%	\$ 3,878.40
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Marion Ave

GPS ID: 12034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

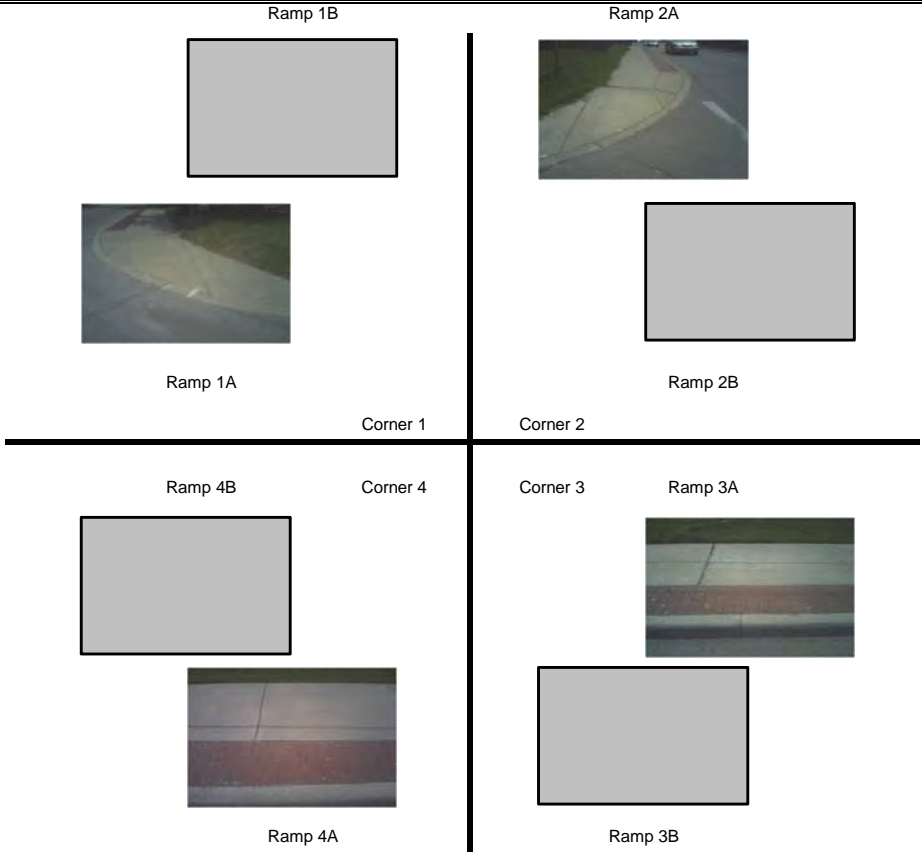
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	-	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S New Haven Ave

GPS ID: 12035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,249.60
Engineering: (% +/-)	15%	\$ 3,750.17
Contingency: (% +/-)	20%	\$ 5,000.23
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

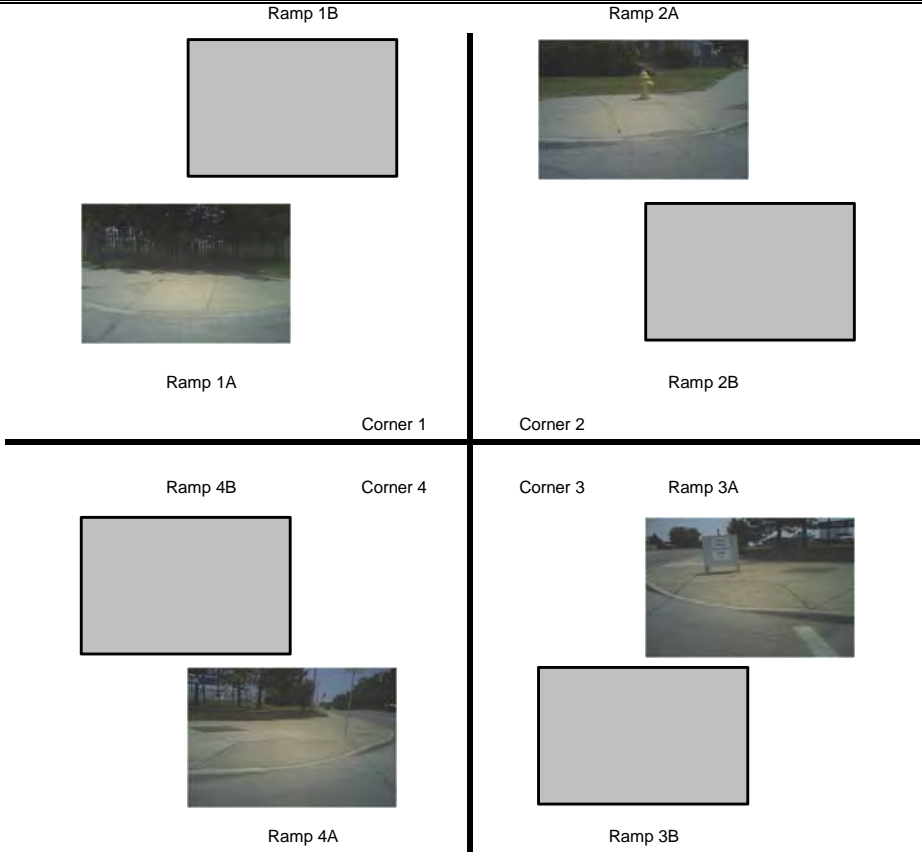
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	X	-	X	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X	X	Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X	X	X	X	X	
Ramp cross slope is greater than 2%							X	X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Oswego Ave

GPS ID: 12036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,252.80
Engineering: (% +/-)	15%	\$ 2,891.66
Contingency: (% +/-)	20%	\$ 3,855.54
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	N/A	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Pittsburg Ave

GPS ID: 12037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Quebec Ave

GPS ID: 12038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	28,252.80
Engineering: (% +/-)	15%	\$ 4,605.94
Contingency: (% +/-)	20%	\$ 6,141.26
Estimated Project Cost:	\$	39,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

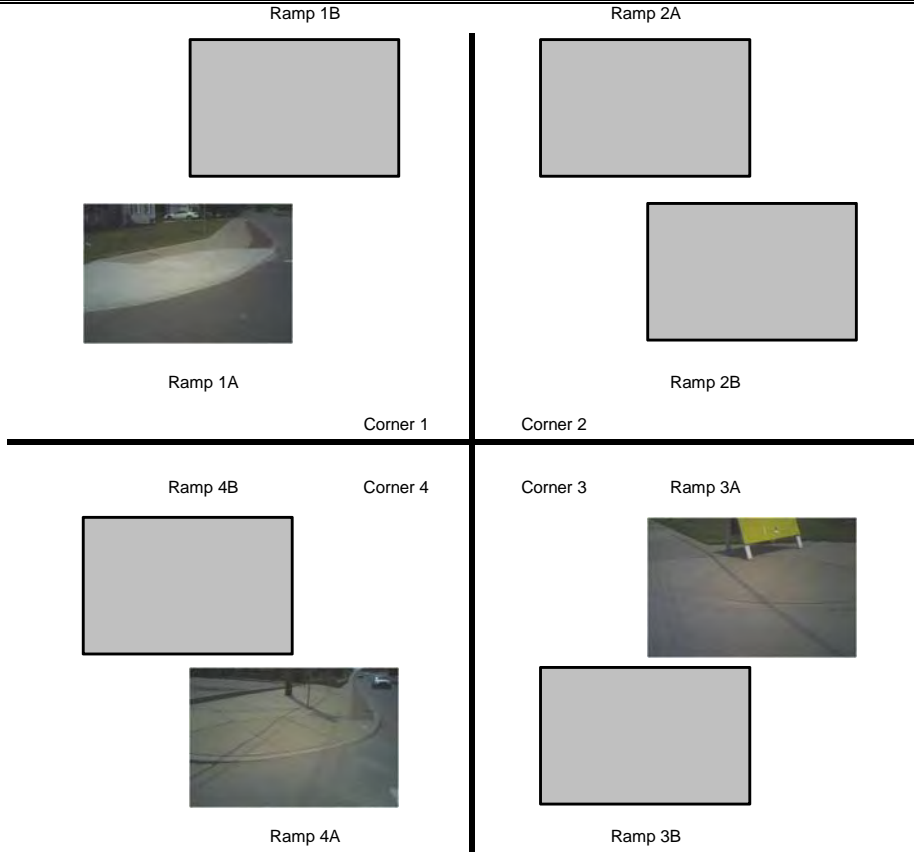
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	X	-	X	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	Yes	No	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X	X			Install colored truncated domes
No color contrast at base of ramp	X				X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M				M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Richmond Ave

GPS ID: 12039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

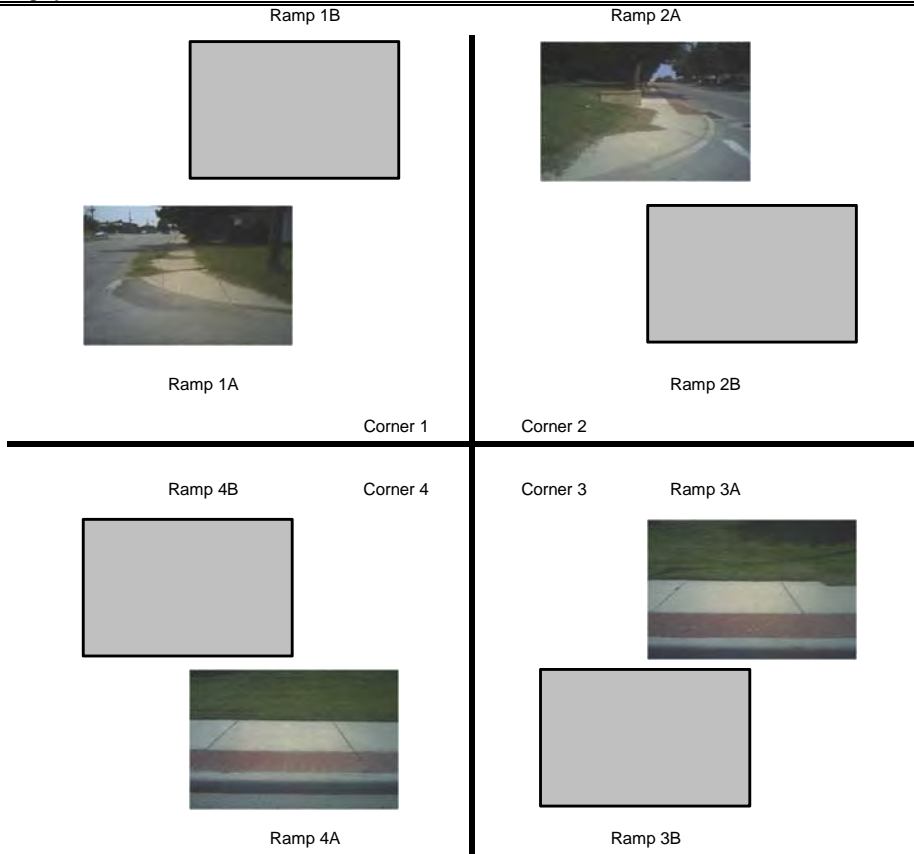
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	Yes	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Sandusky Ave

GPS ID: 12040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	32,252.80
Engineering: (% +/-)	15%	\$ 5,034.51
Contingency: (% +/-)	20%	\$ 6,712.69
Estimated Project Cost:	\$	44,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X		X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Urbana Ave

GPS ID: 12041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	31,252.80
Engineering: (% +/-)	15%	\$ 5,034.51
Contingency: (% +/-)	20%	\$ 6,712.69
Estimated Project Cost:	\$	43,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

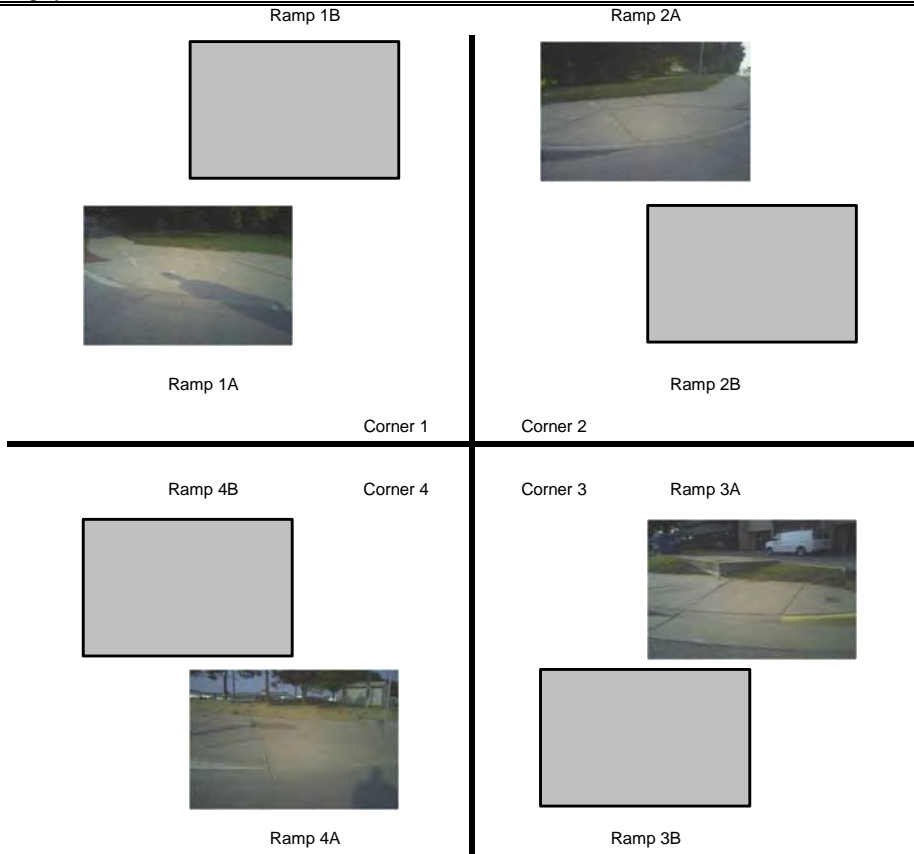
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	X	-	X	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Winston Ave

GPS ID: 12042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

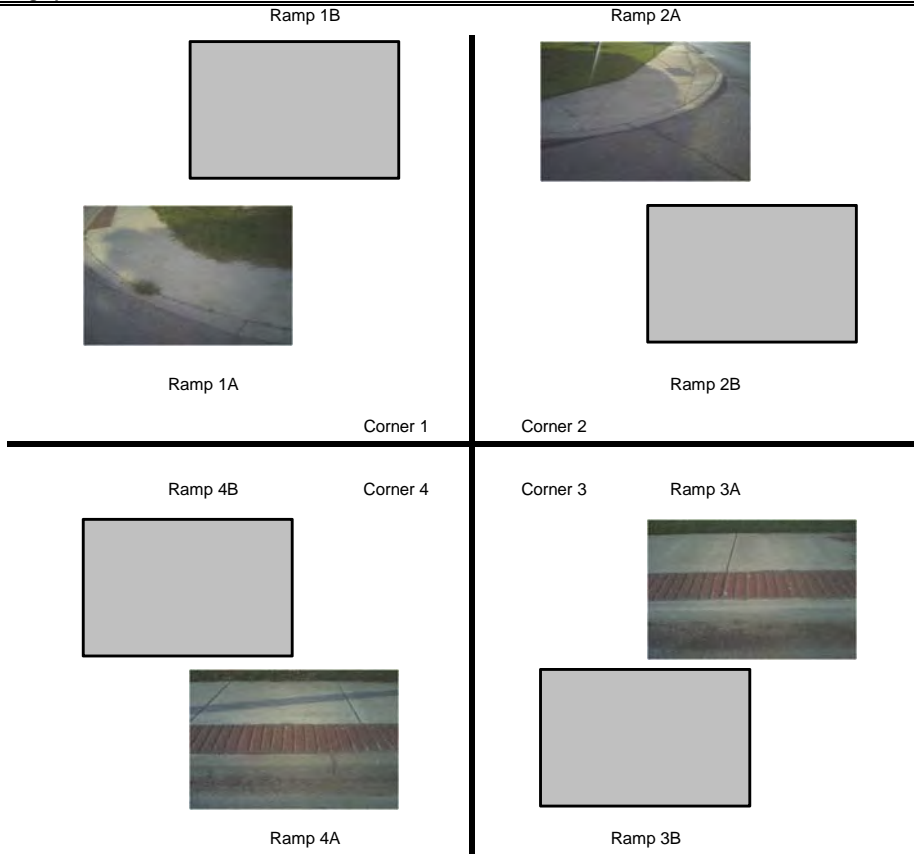
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Allegheny Ave

GPS ID: 12043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,000.60
Engineering: (% +/-)	15%	\$ 2,142.60
Contingency: (% +/-)	20%	\$ 2,856.80
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

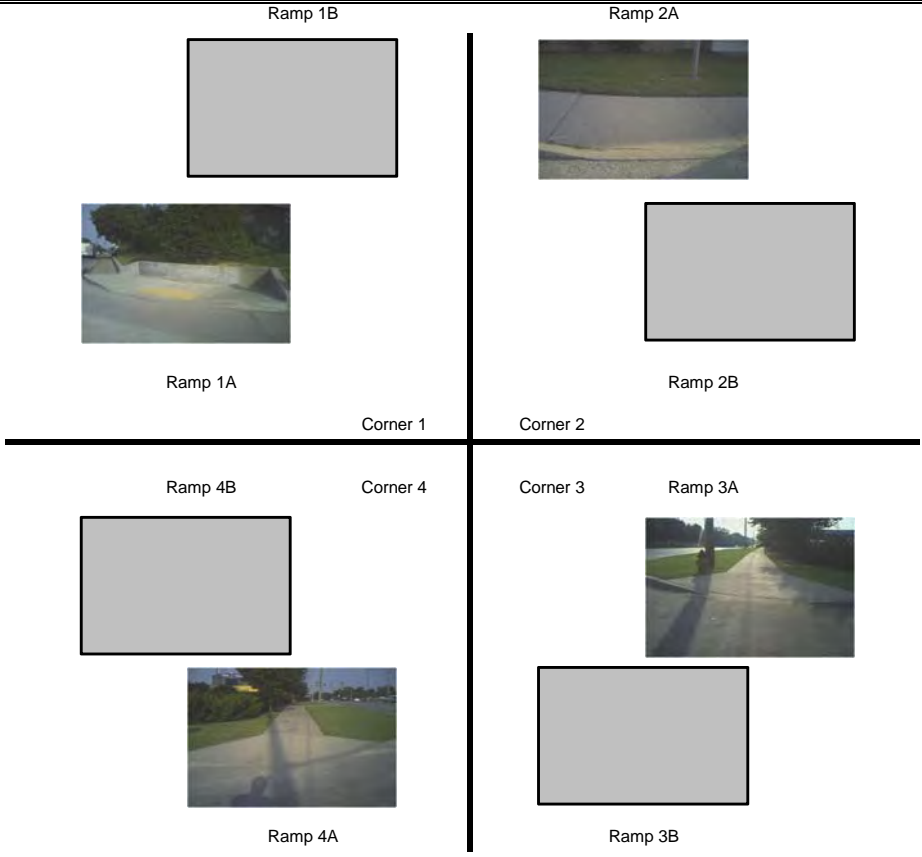
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X		X		Install colored truncated domes
No color contrast at base of ramp			X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Braden Ave

GPS ID: 12044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

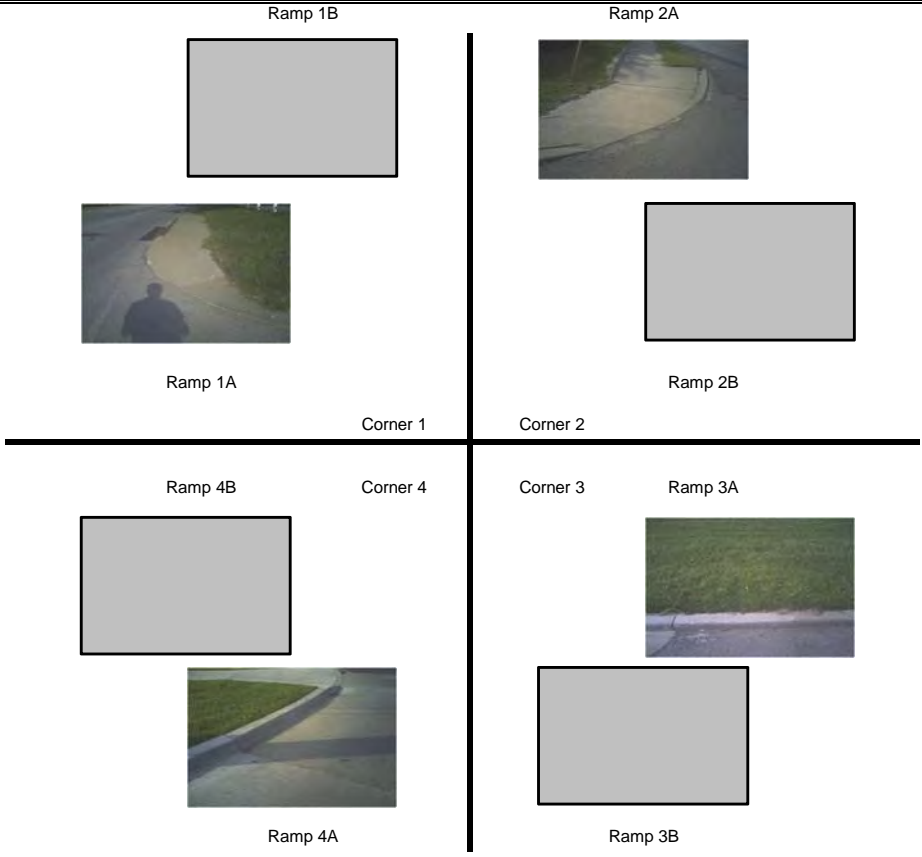
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Canton Ave

GPS ID: 12045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Darlington Ave

GPS ID: 12046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

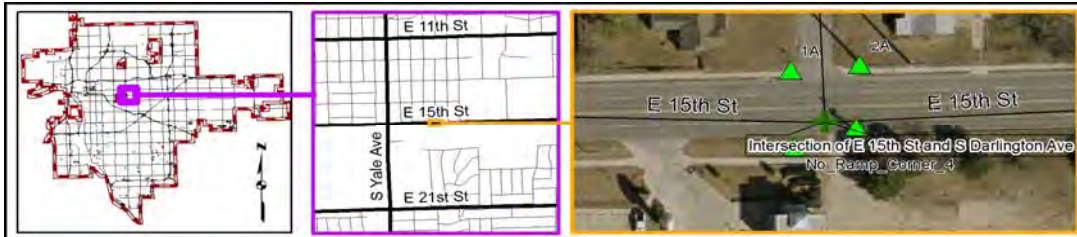
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

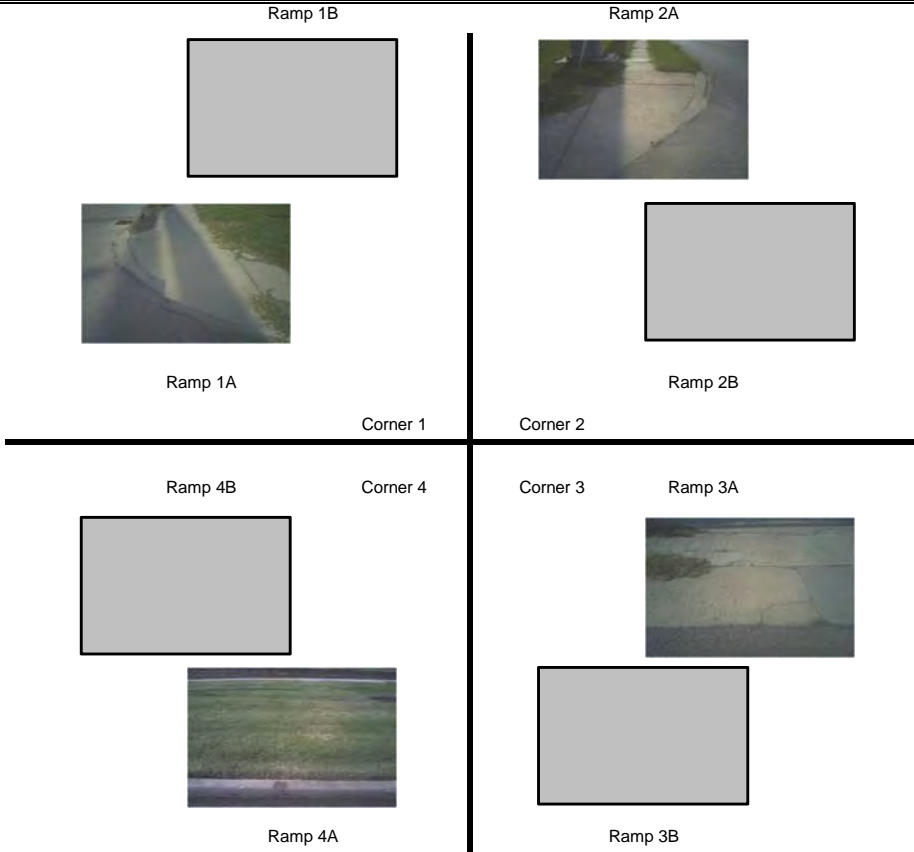
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Erie Ave

GPS ID: 12047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	10,000.00

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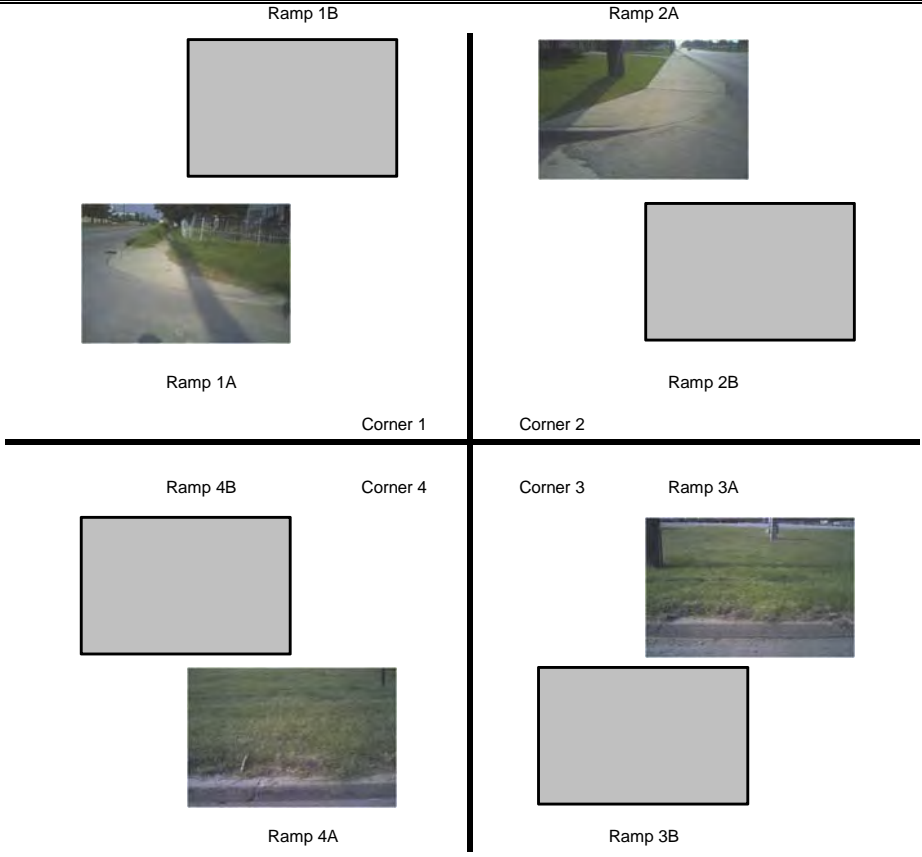
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Fulton Ave

GPS ID: 12048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	9,000.00

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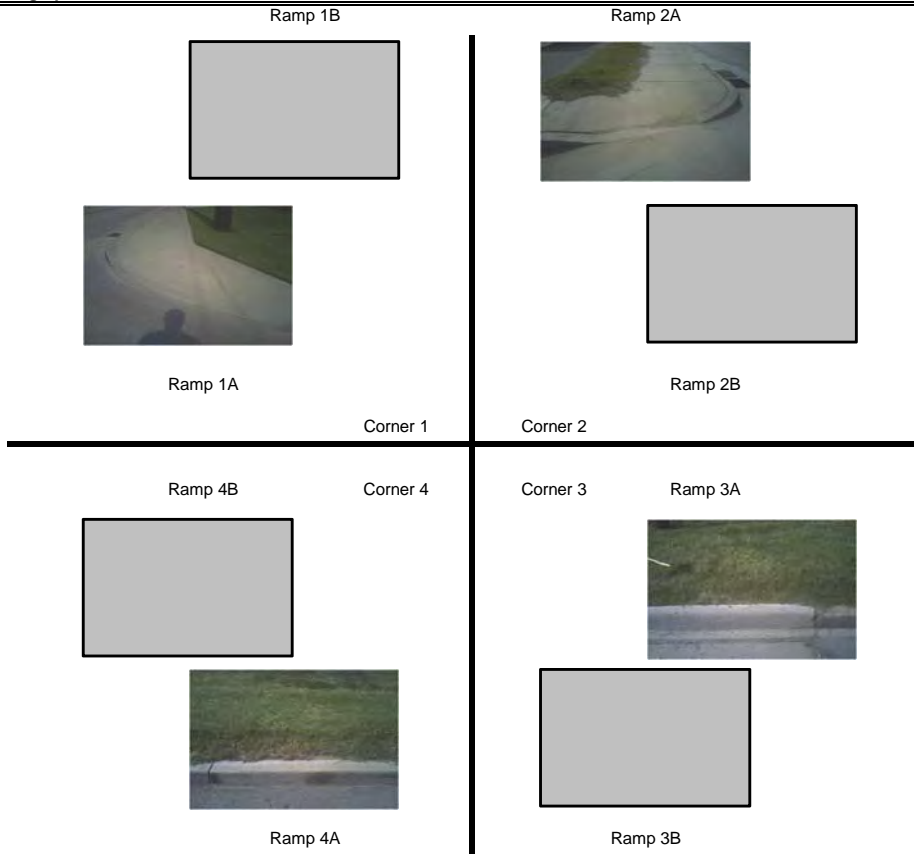
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Joplin Ave

GPS ID: 12049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 67th East Ave

GPS ID: 12050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

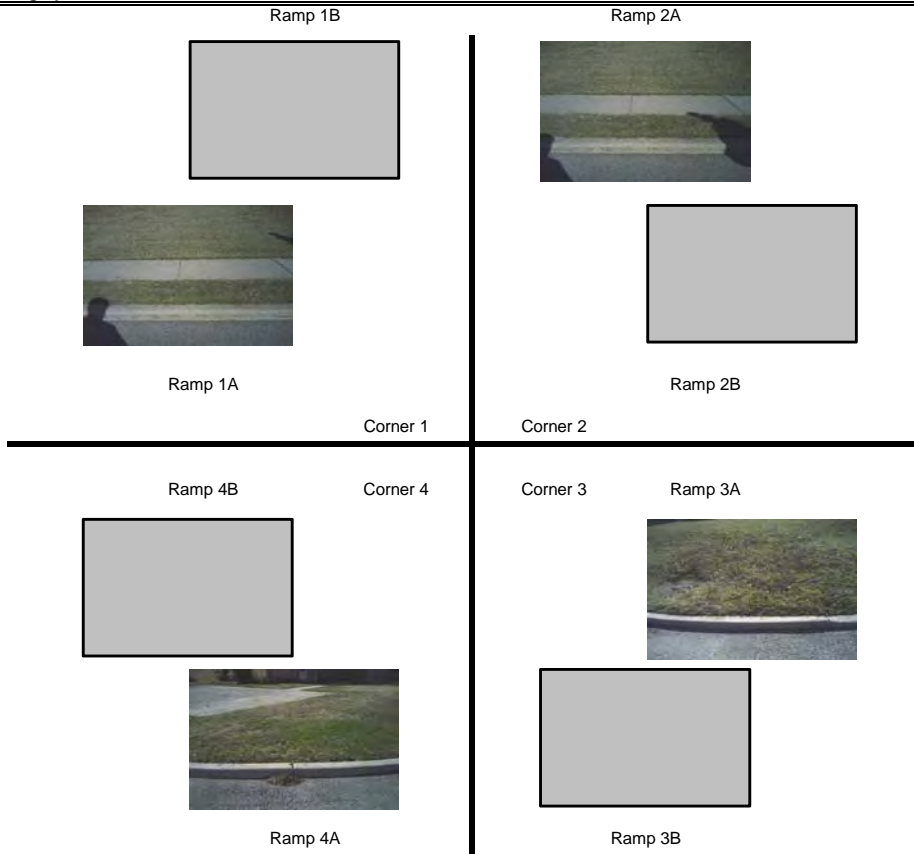
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 68th East Ave

GPS ID: 12051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

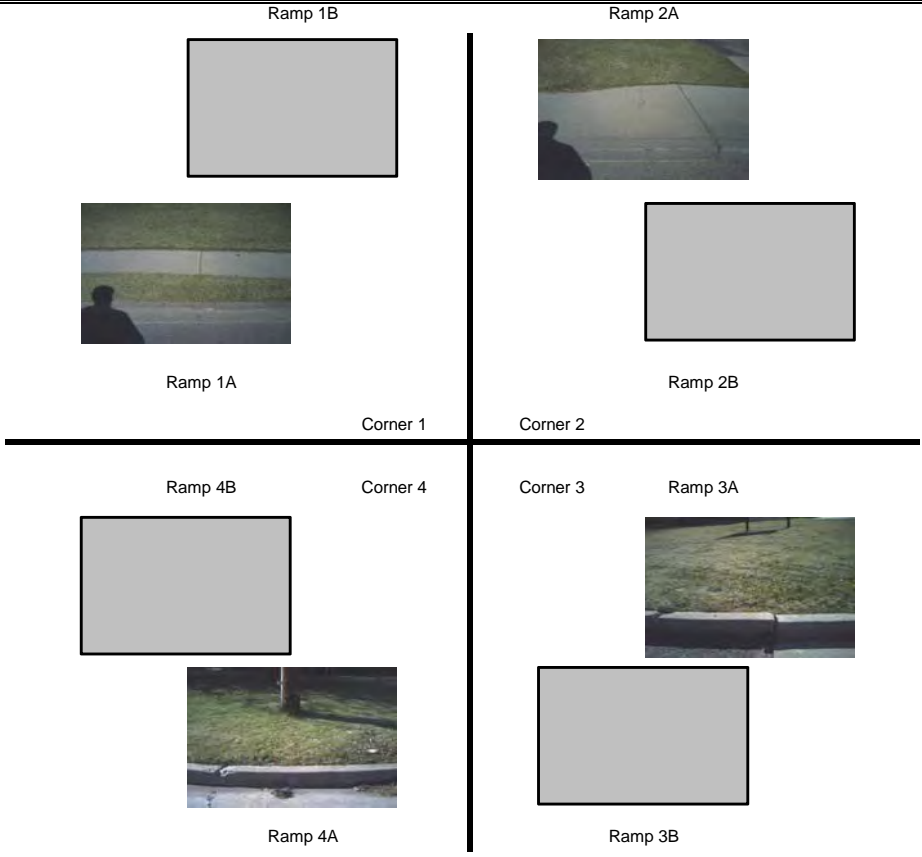
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 69th East Ave (south)

GPS ID: 12052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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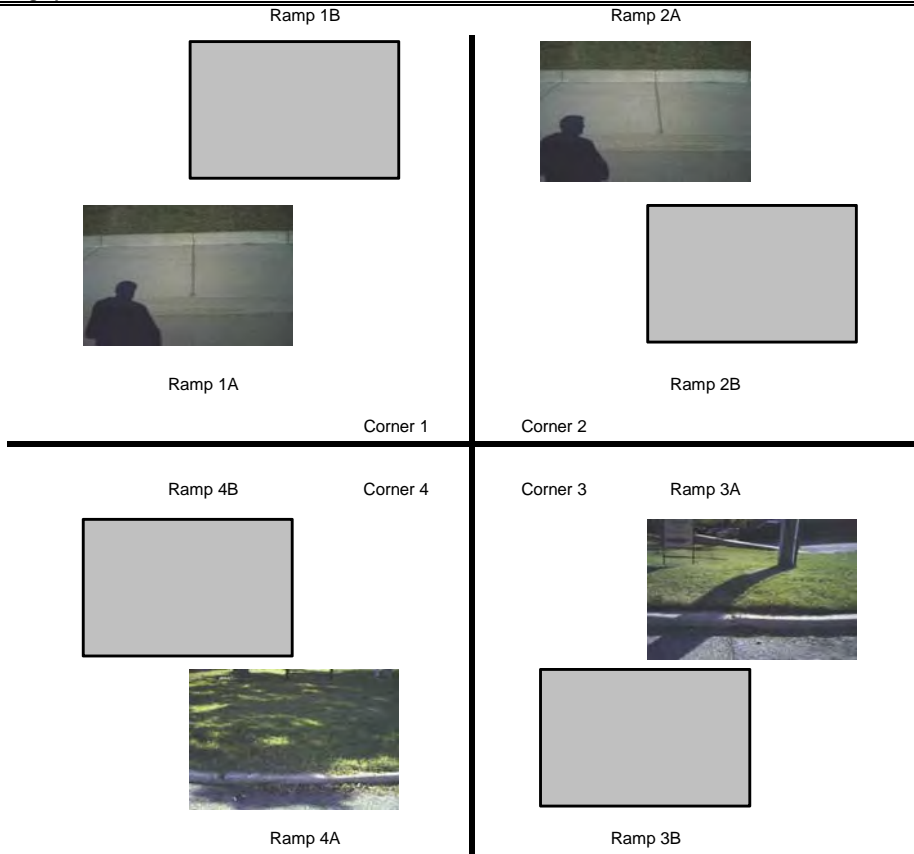
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 69th East Ave (north)

GPS ID: 12053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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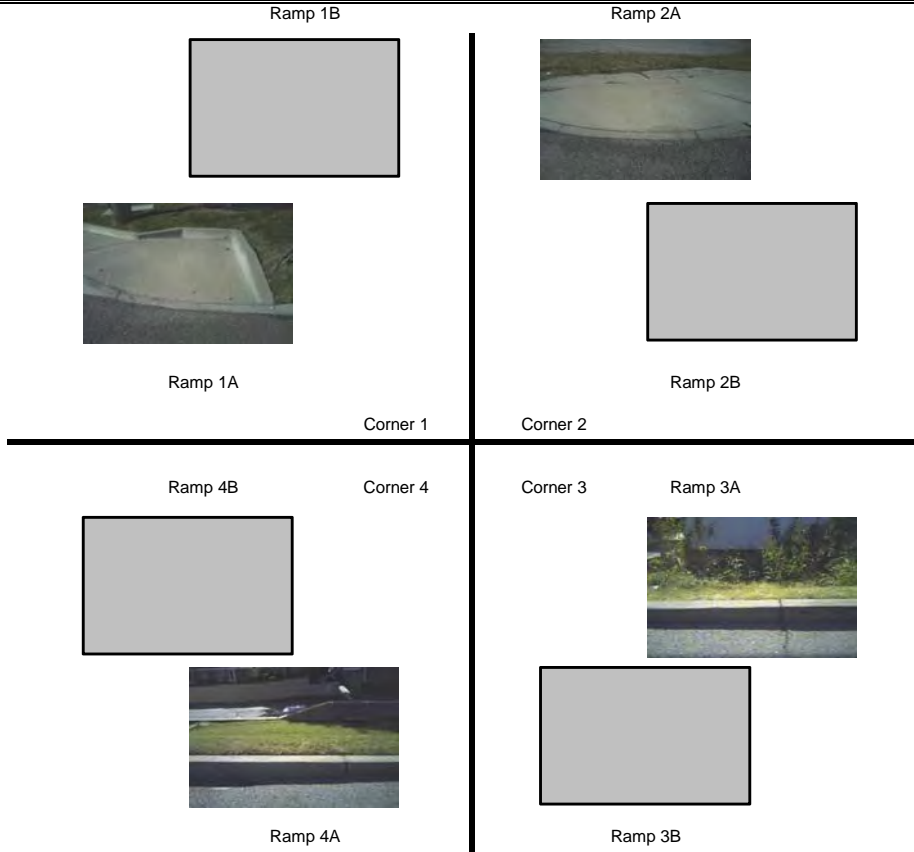
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Jamestown Ave (south)

GPS ID: 13026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	M			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Jamestown Ave (north)

GPS ID: 13027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,153.00
Engineering: (% +/-)	15%	\$ 2,934.43
Contingency: (% +/-)	20%	\$ 3,912.57
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

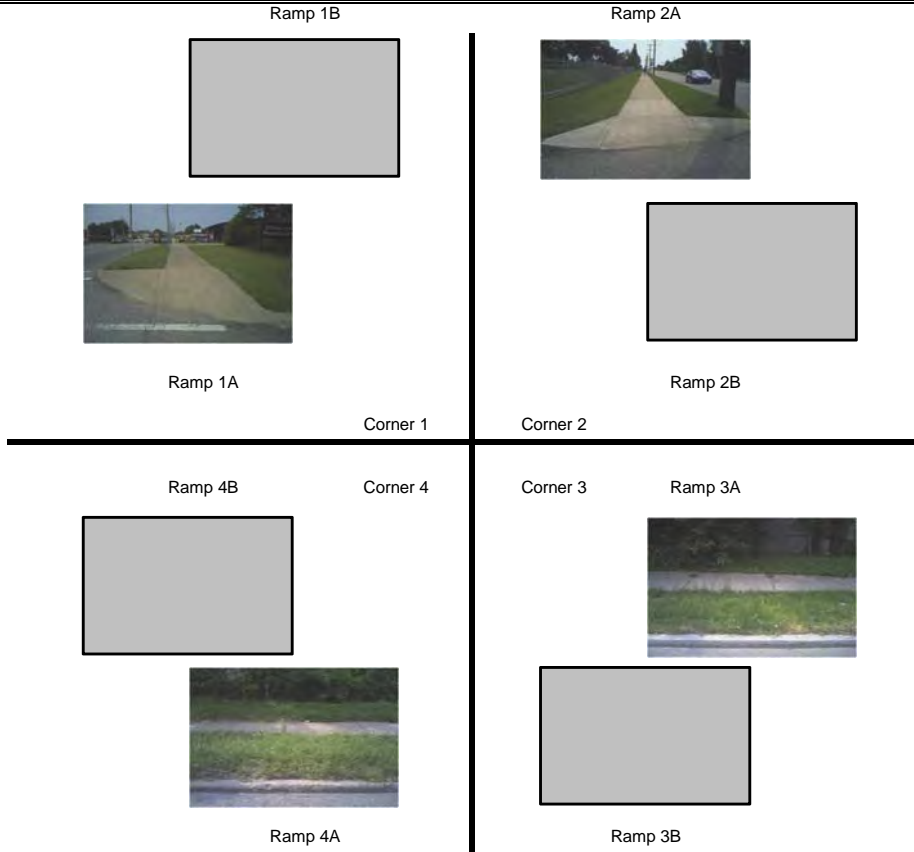
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	-	
Crosswalk striping	No	N/A	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Knoxville Ave

GPS ID: 13028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

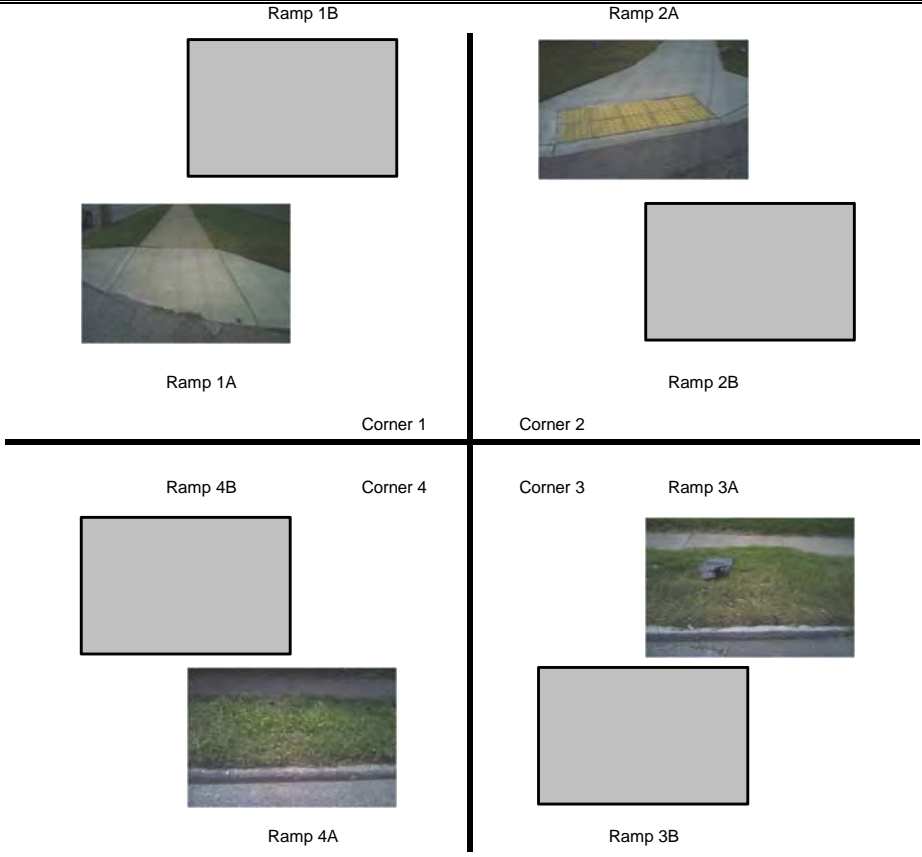
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Louisville Ave (south)

GPS ID: 13029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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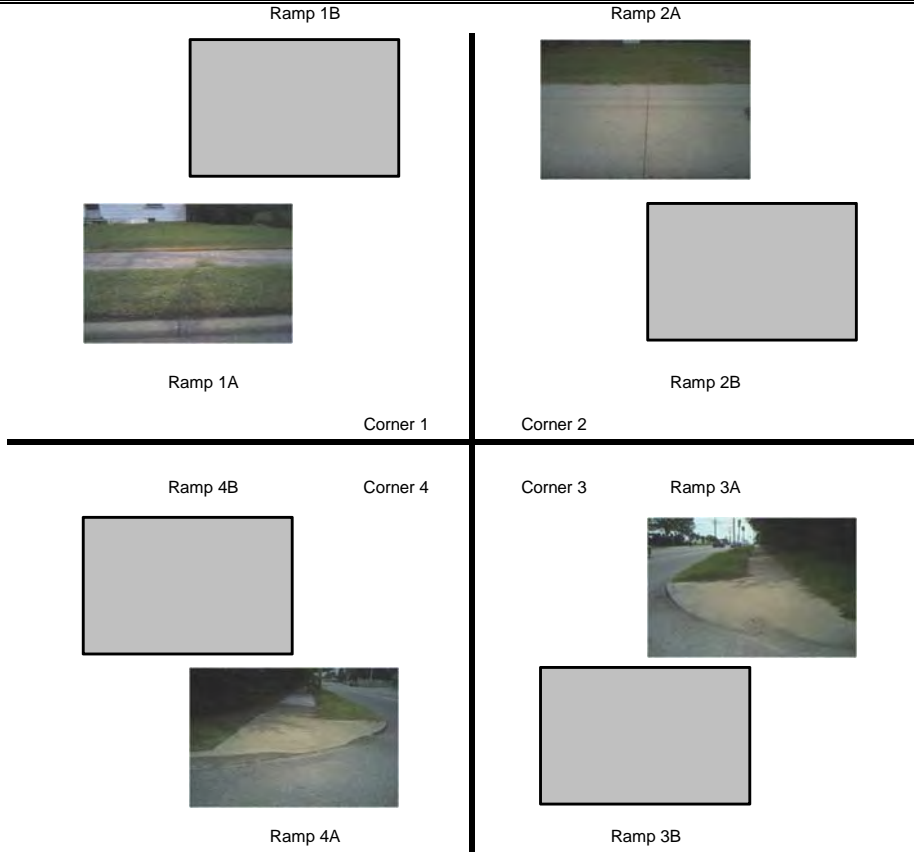
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Louisville Ave (north)

GPS ID: 13030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,436.00
Engineering: (% +/-)	15%	\$ 670.29
Contingency: (% +/-)	20%	\$ 893.71
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

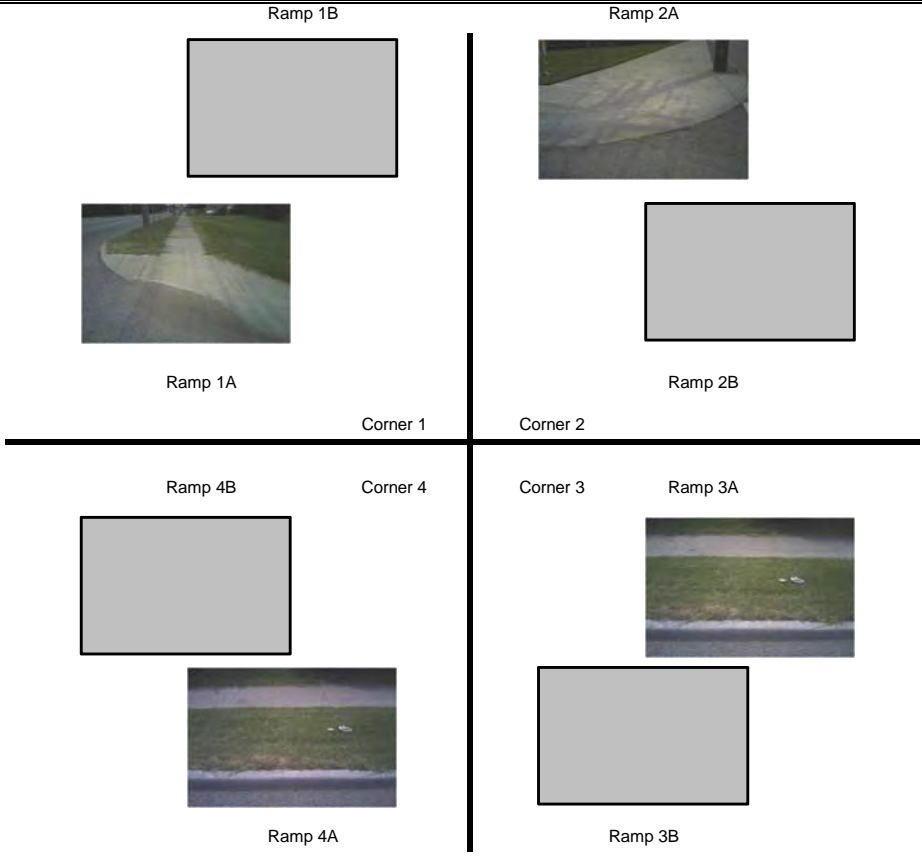
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Marion Ave

GPS ID: 13031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

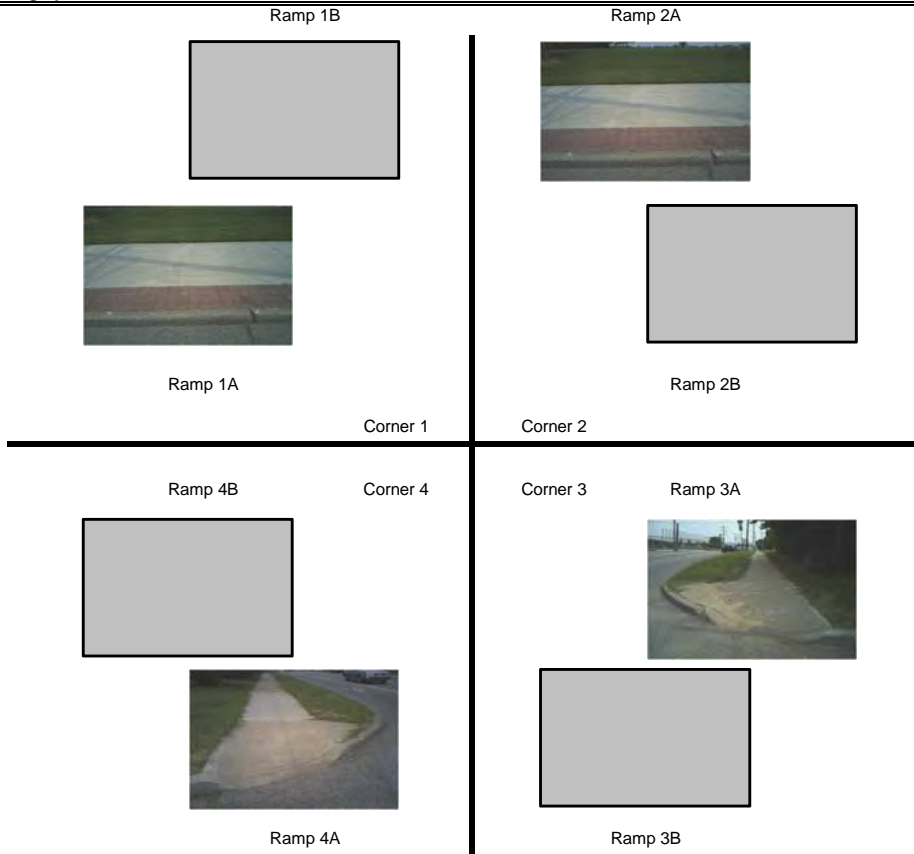
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Oswego Ave

GPS ID: 13032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"					X		X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Vandalia Ave

GPS ID: 13033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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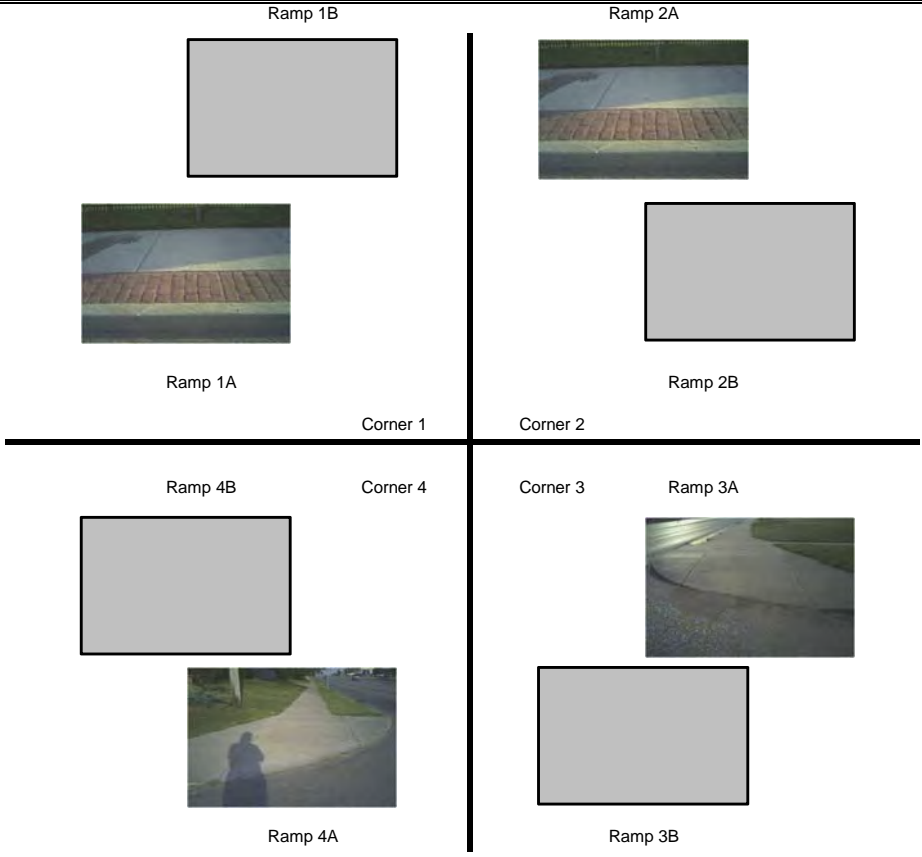
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 68th East Ave

GPS ID: 13034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

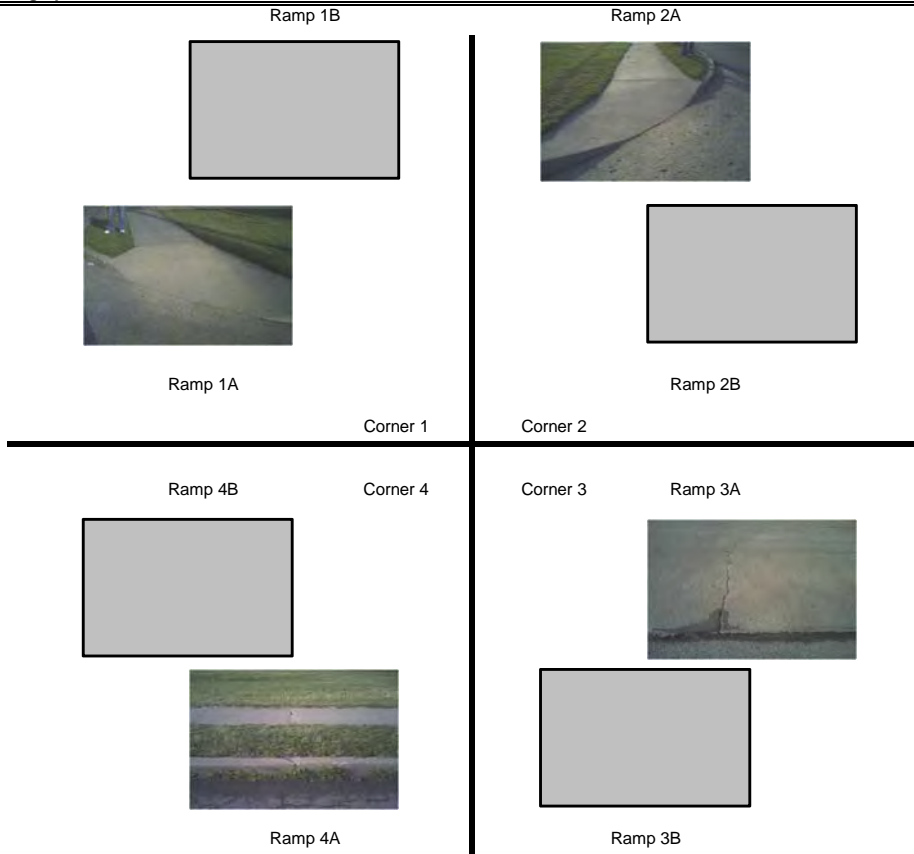
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 69th East Ave

GPS ID: 13035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,146.60
Engineering: (% +/-)	15%	\$ 2,937.17
Contingency: (% +/-)	20%	\$ 3,916.23
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	-	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X				X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X	X	X	X	X	X			
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 71st East Ave

GPS ID: 13038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

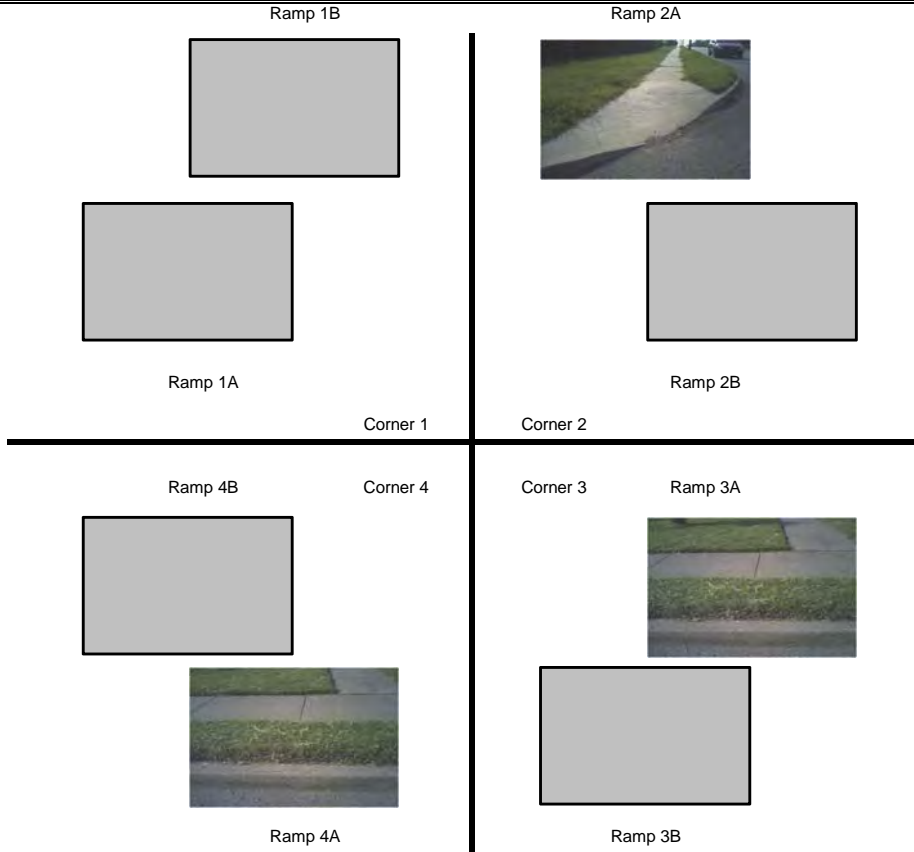
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X				X		
No color contrast at base of ramp			X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X		
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 73rd East Ave and E 21st St

GPS ID: 13040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,234.70
Engineering: (% +/-)	15%	\$ 2,042.27
Contingency: (% +/-)	20%	\$ 2,723.03
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

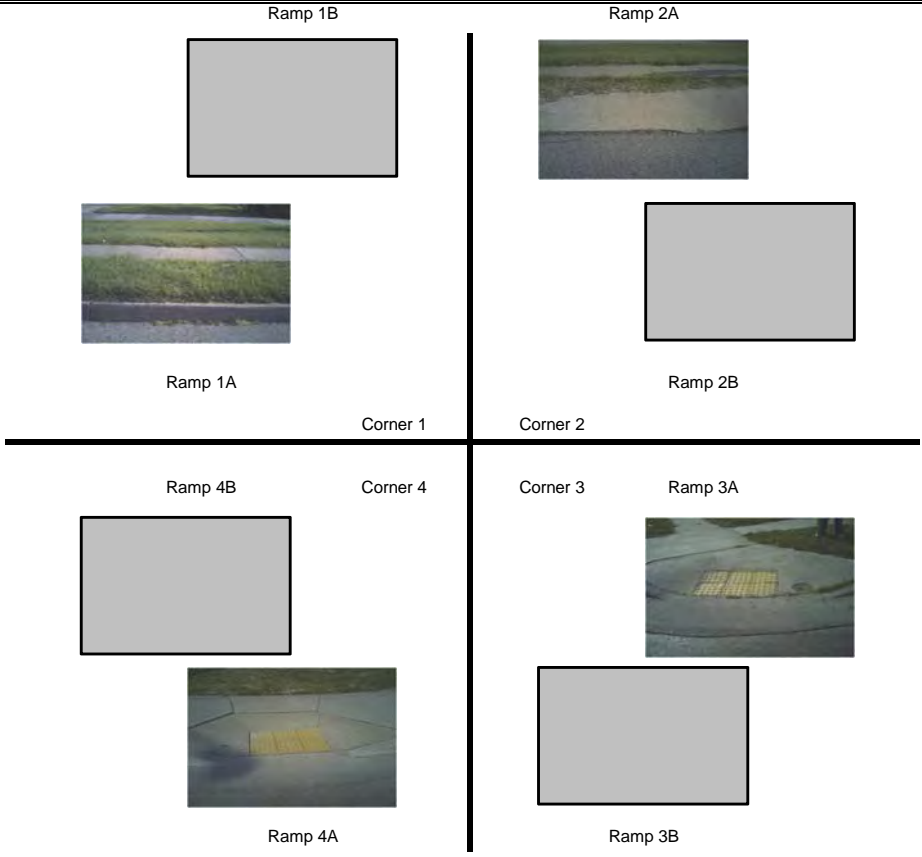
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry			X						Remove ramp
Ramp Priority:			H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 74th East Ave

GPS ID: 13041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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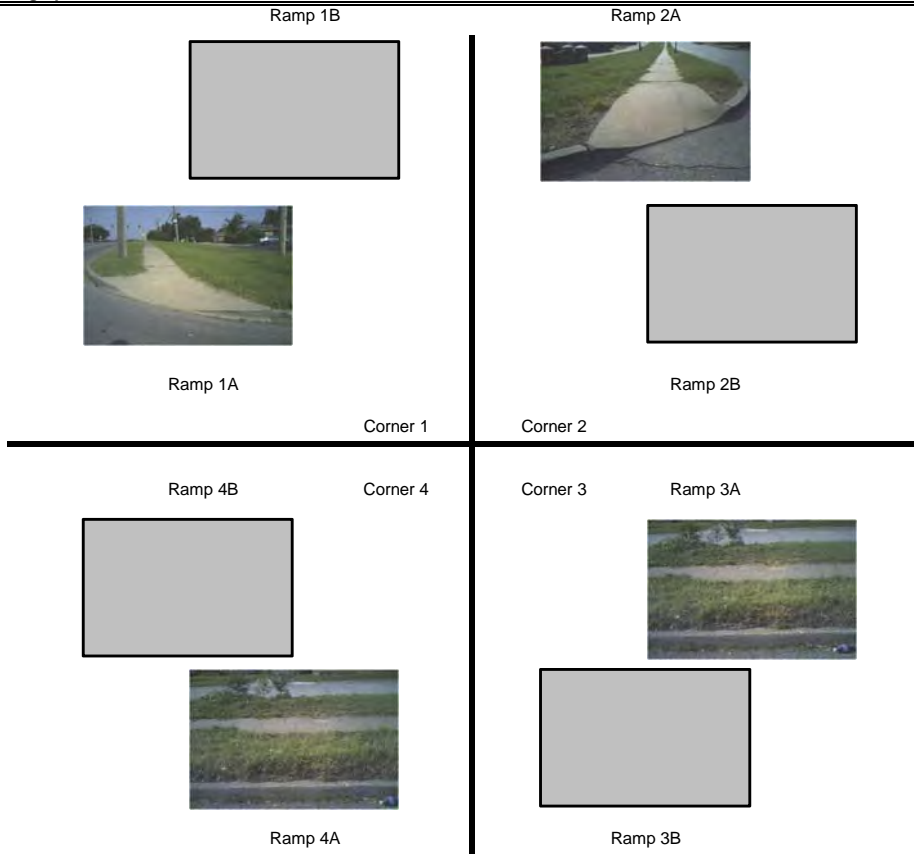
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 76th East Ave

GPS ID: 13043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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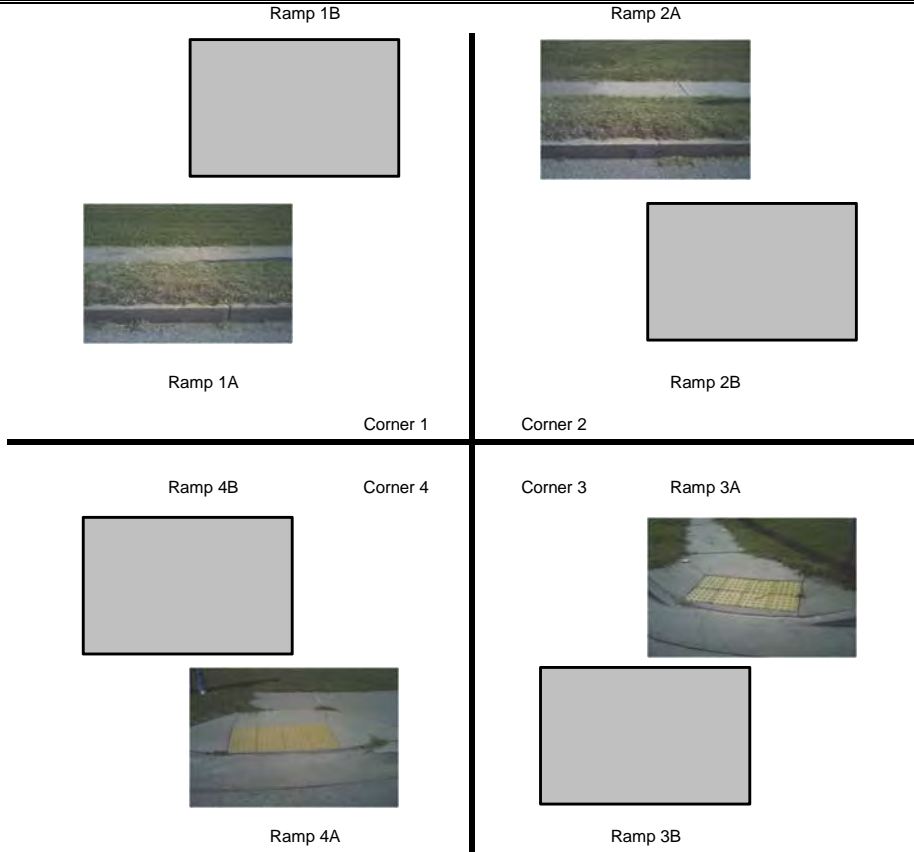
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St South and S 77th East Ave

GPS ID: 13044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

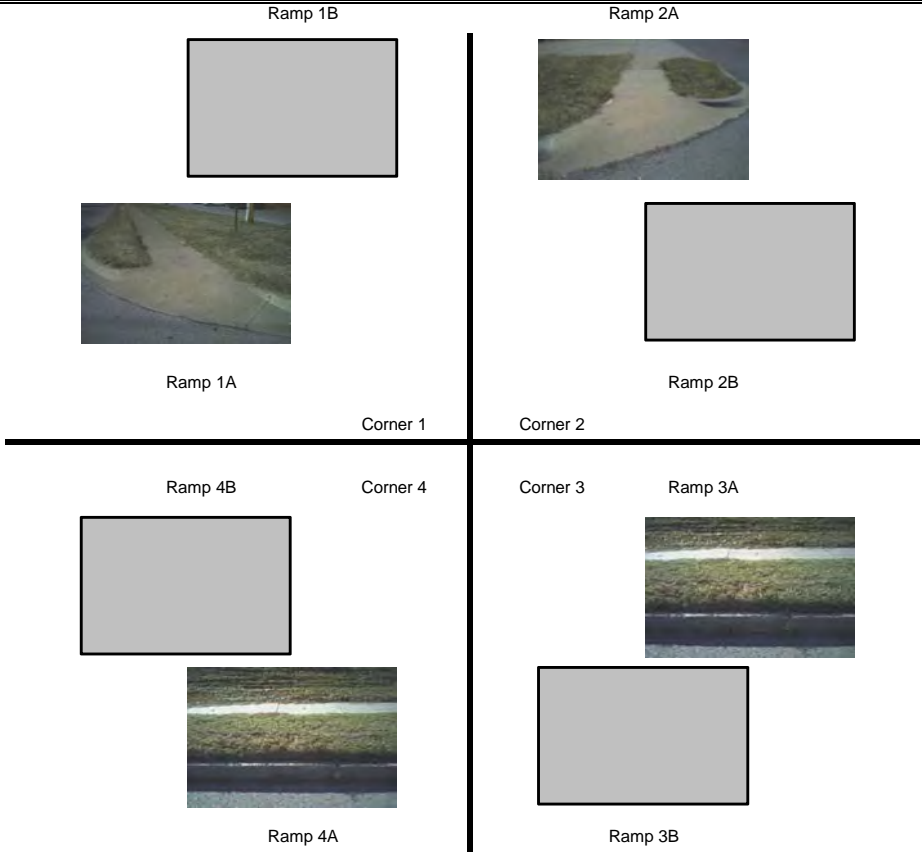
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 79th East Ave and E 21st St

GPS ID: 13045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,318.40
Engineering: (% +/-)	15%	\$ 2,863.54
Contingency: (% +/-)	20%	\$ 3,818.06
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

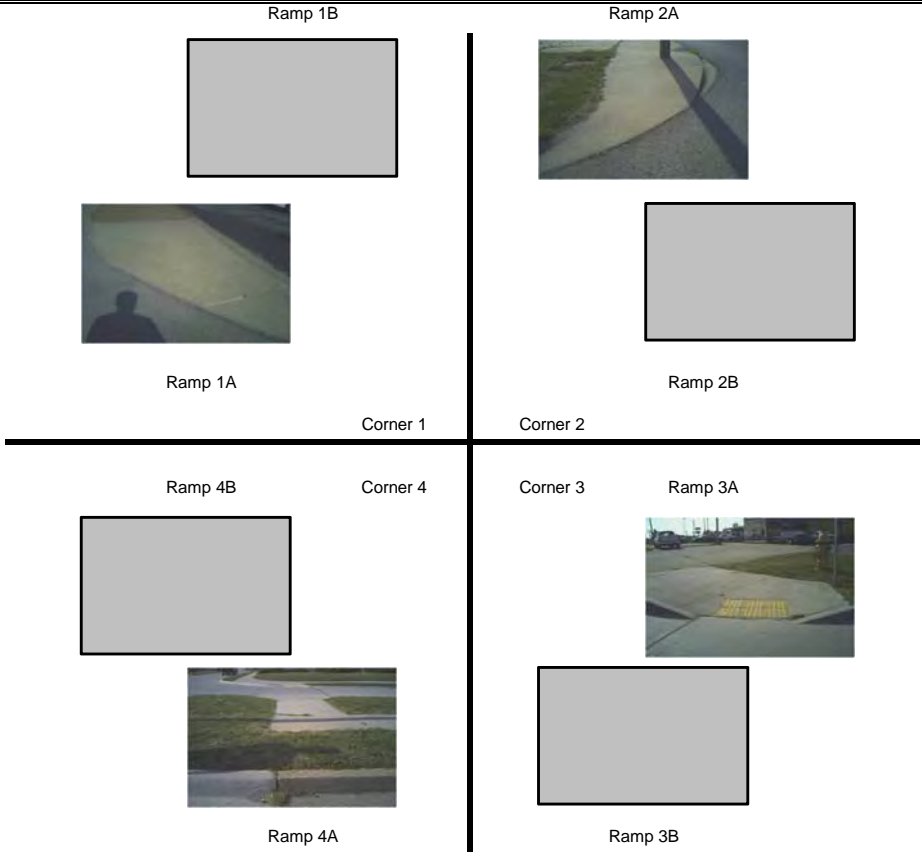
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 85th East Ave and E 21st St

GPS ID: 13046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,992.80
Engineering: (% +/-)	15%	\$ 4,288.80
Contingency: (% +/-)	20%	\$ 5,718.40
Estimated Project Cost:	\$	36,000.00

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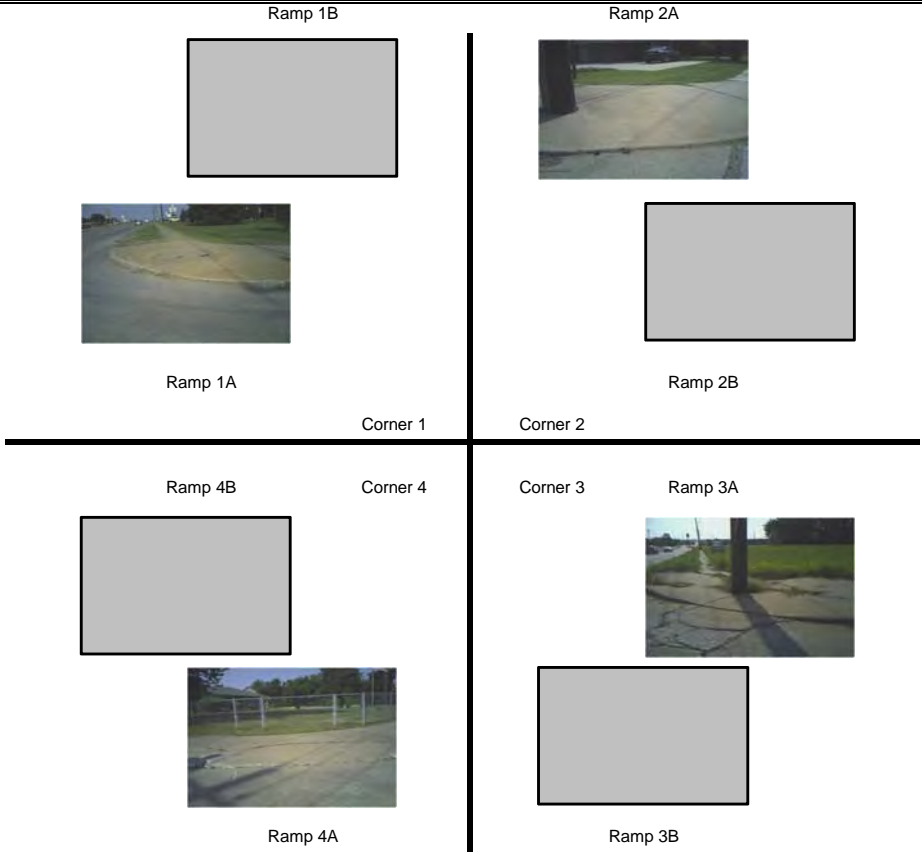
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 87th East Ave

GPS ID: 13047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

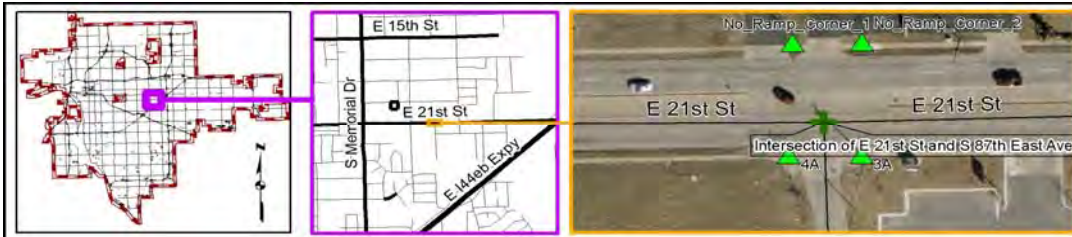
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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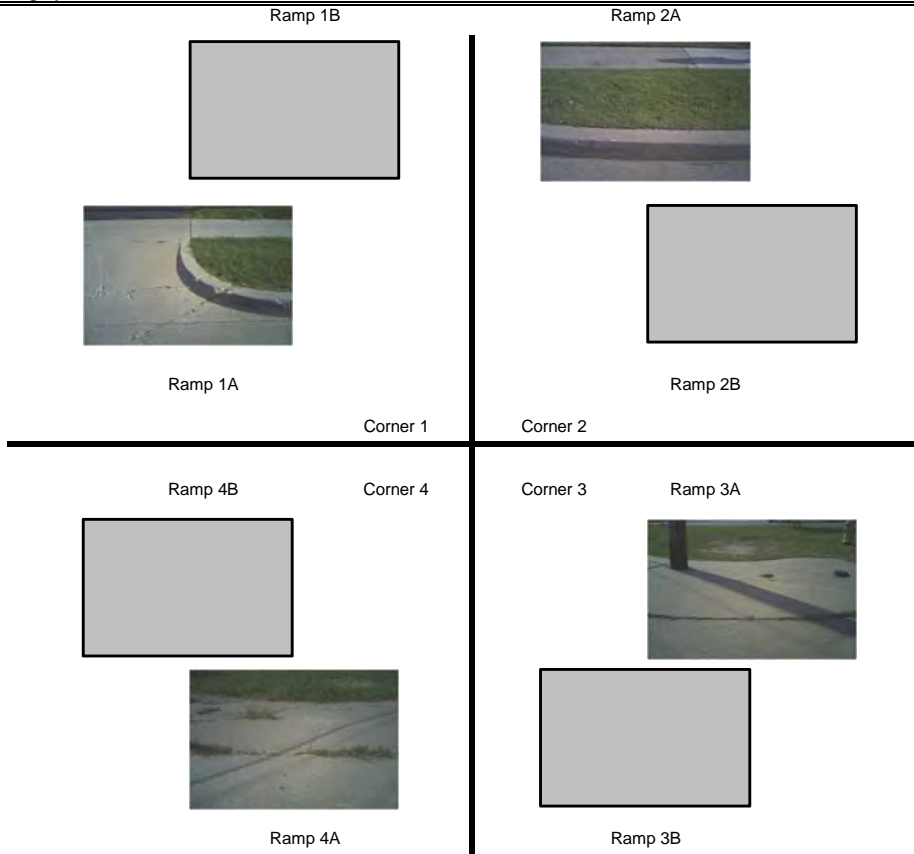
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%						X			Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area					X				Install colored truncated domes
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 89th East Ave

GPS ID: 13048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,426.97
Estimated Project Cost:	\$	29,000.00

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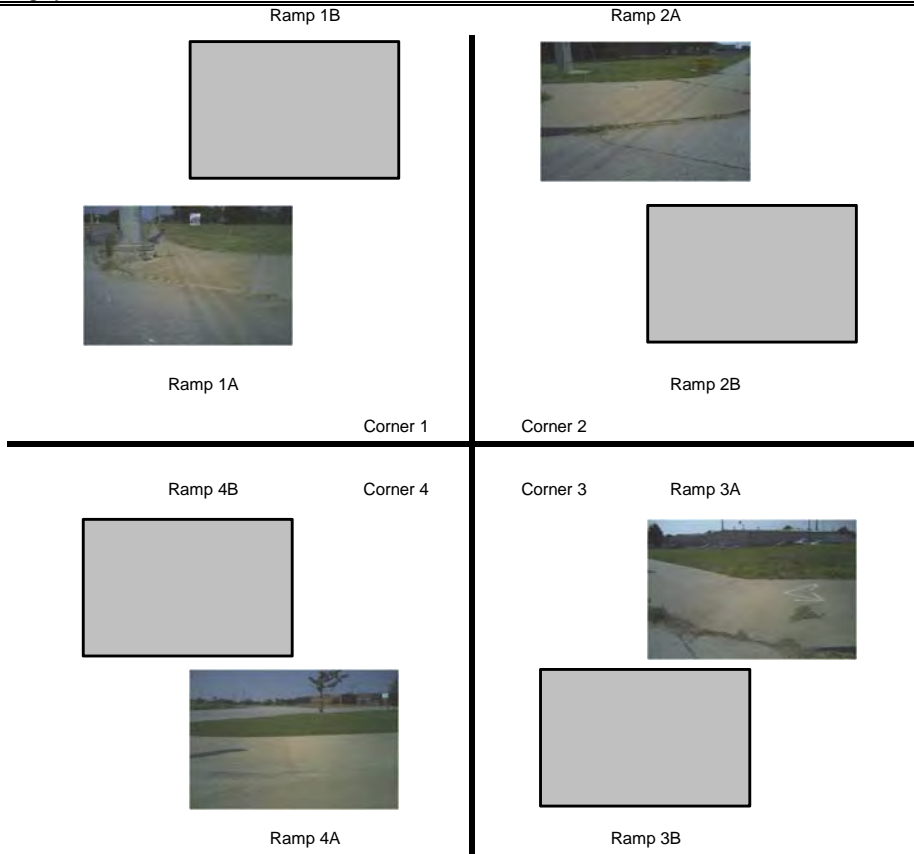
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X				X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 93rd East Ave

GPS ID: 13049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

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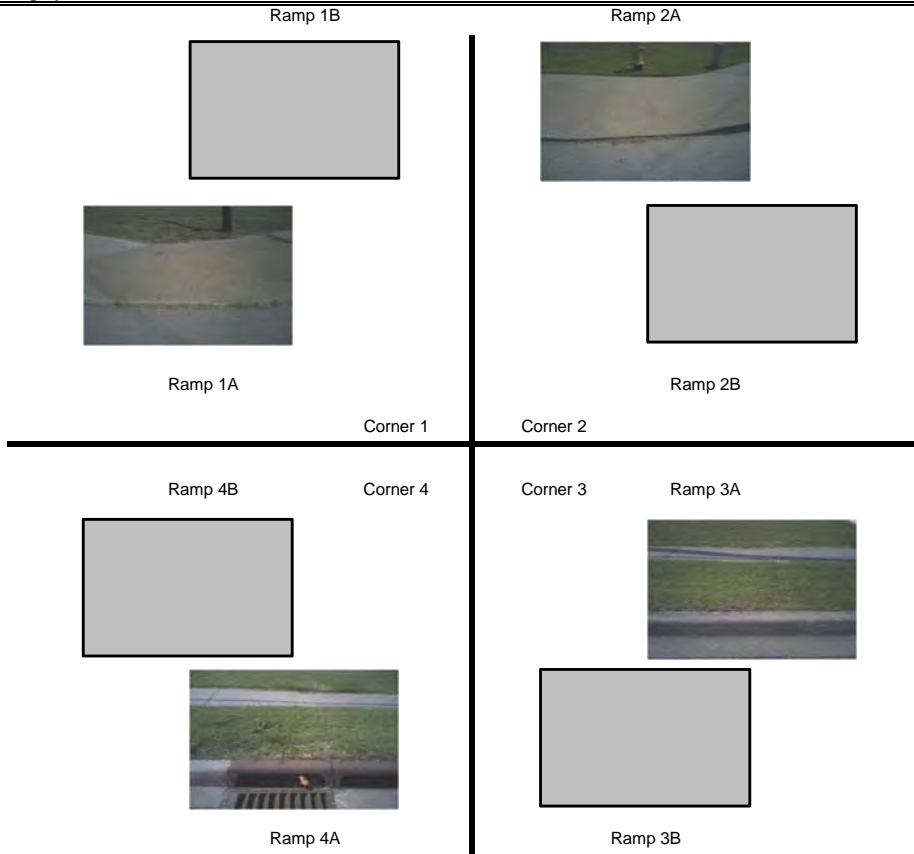
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 92nd East Ave

GPS ID: 13050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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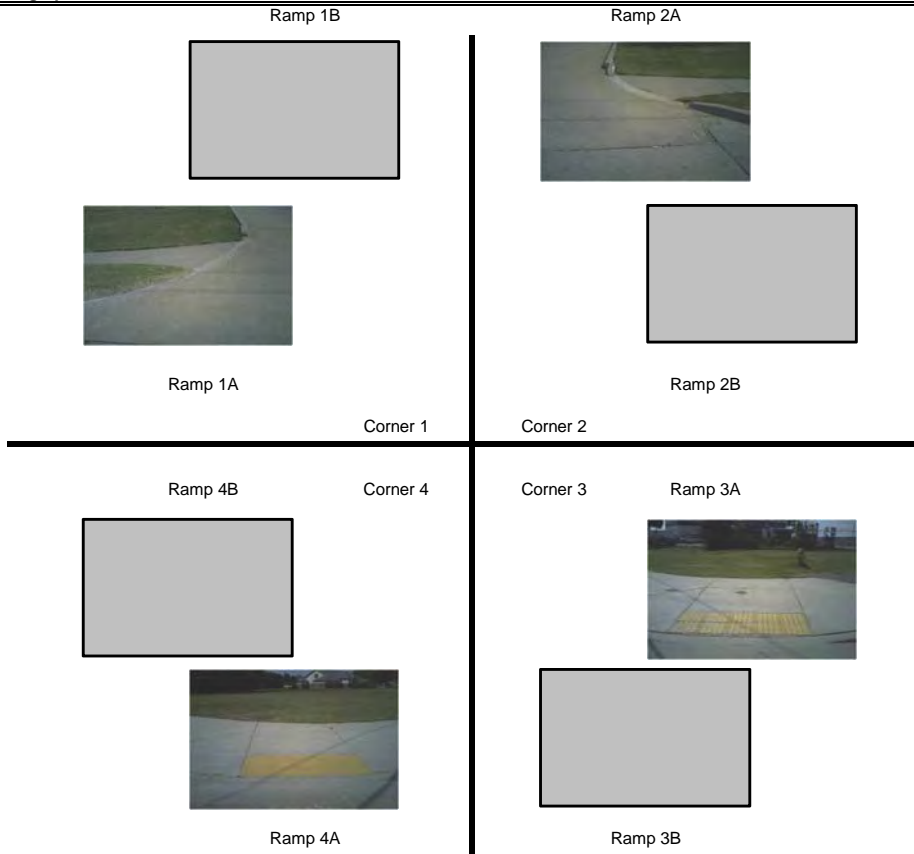
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X		X	Remove and replace ramp
Ramp running slope is greater than 8.33%					X			X	
Ramp cross slope is greater than 2%								X	
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:					M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 99th East Ave

GPS ID: 13051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,318.40
Engineering: (% +/-)	15%	\$ 2,863.54
Contingency: (% +/-)	20%	\$ 3,818.06
Estimated Project Cost:	\$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

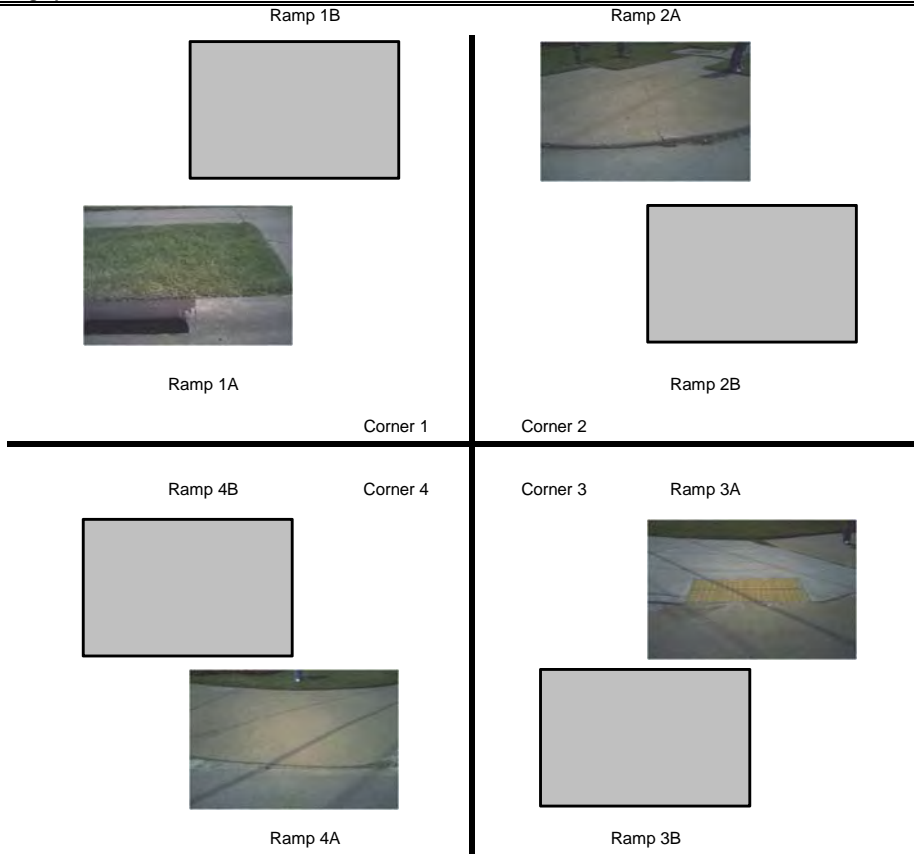
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk	X								
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					Remove and replace ramp
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X			X		
No color contrast at base of ramp				X			X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X		
Ponding occurs at base of ramp									Ramp Priority:
Ramp not needed due to existing geometry									
	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 103rd East Ave and E 21st St GPS ID: 13052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

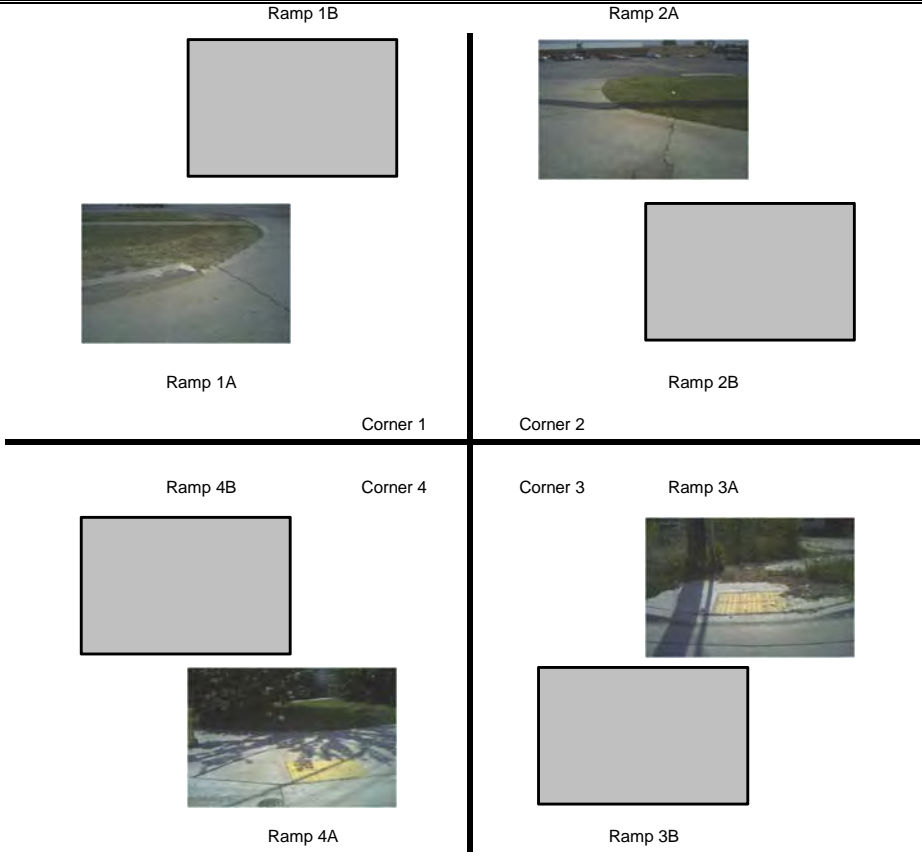
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			Remove and replace ramp
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"					X	X			
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 107th East Ave
 GPS ID: 13053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

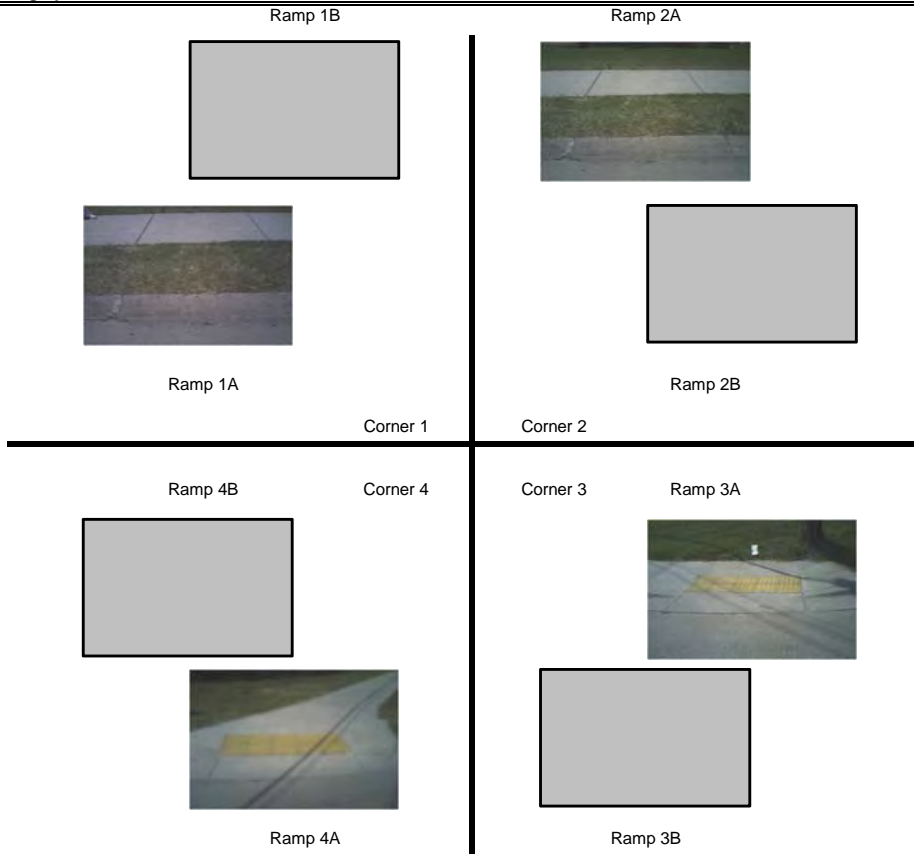
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X	Install landing area	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 108th East Ave

GPS ID: 13054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

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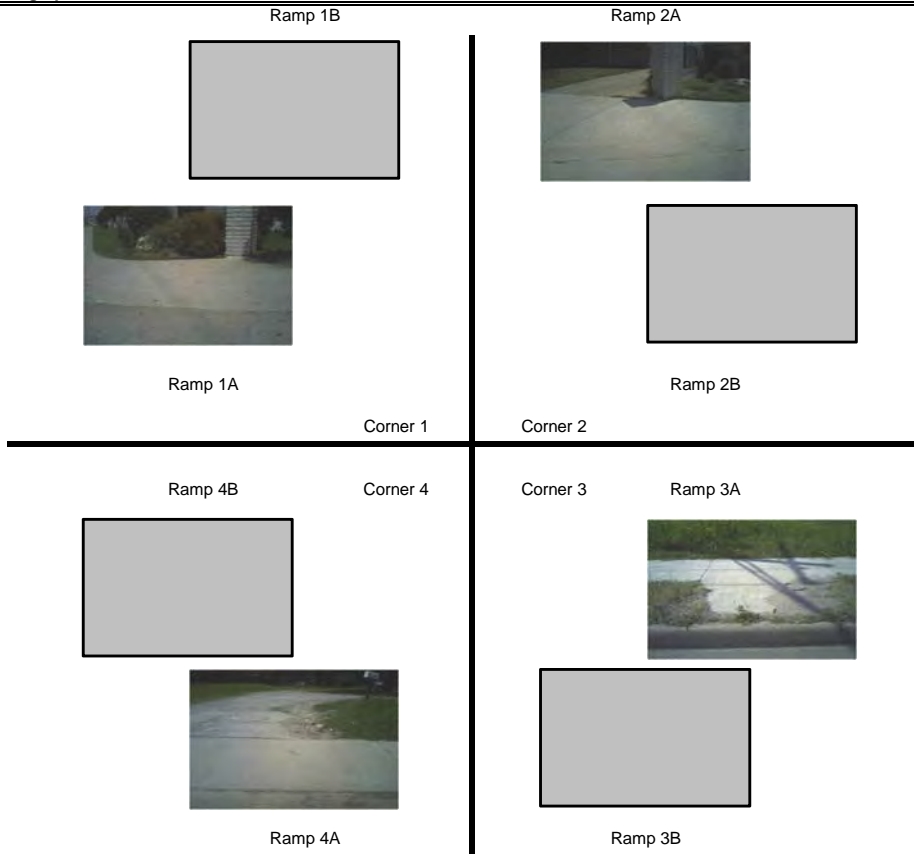
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									Install landing area
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 109th East Ave and E 21st St GPS ID: 13055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	6,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,231.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,642.06
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	9,000.00

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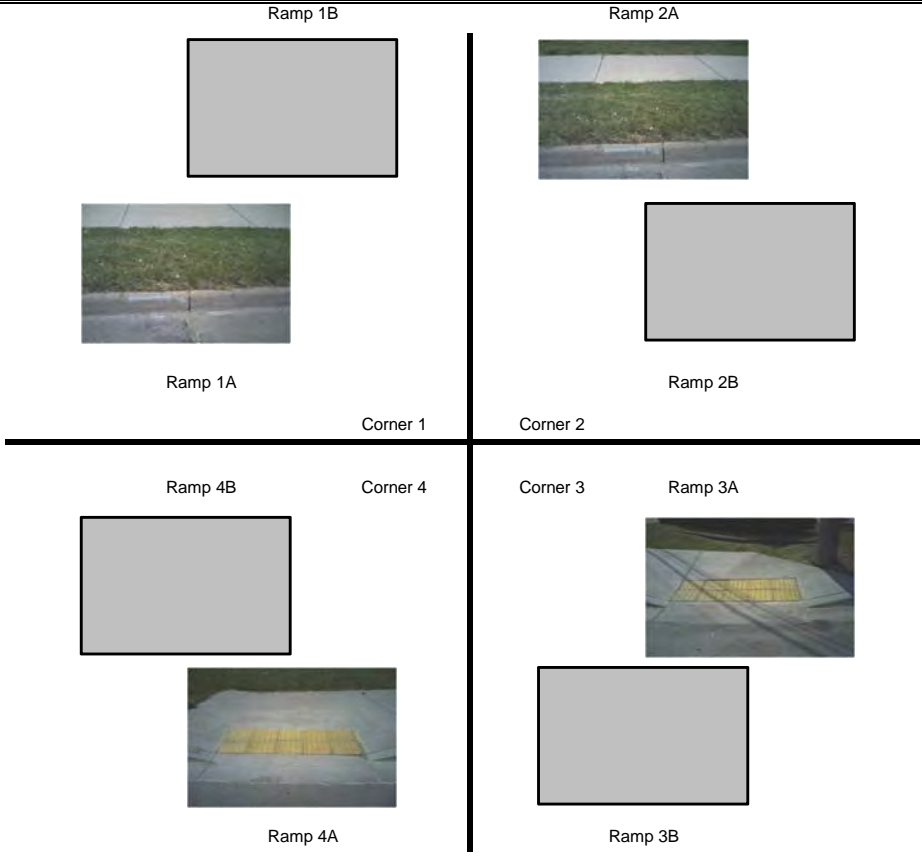
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"					X		X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 111th East Ave

GPS ID: 13056

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,732.80
Engineering: (% +/-)	15%	\$ 2,685.94
Contingency: (% +/-)	20%	\$ 3,581.26
Estimated Project Cost:	\$	23,000.00

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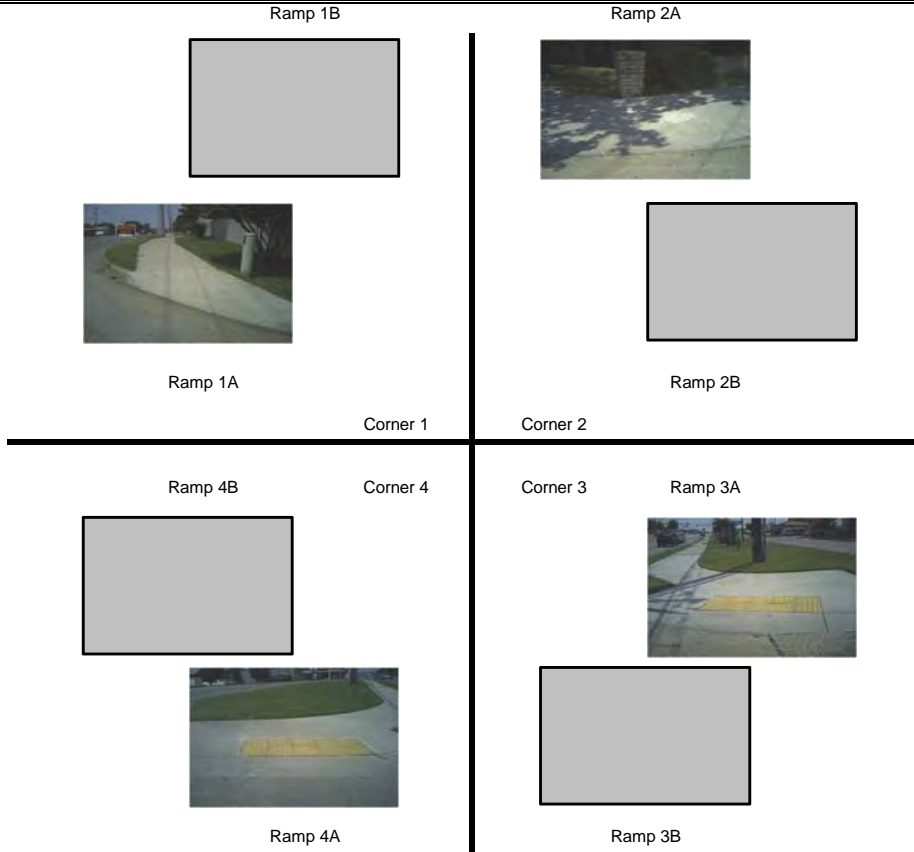
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 114th East Ave

GPS ID: 13057

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,459.80
Engineering: (% +/-)	15%	\$ 1,088.66
Contingency: (% +/-)	20%	\$ 1,451.54
Estimated Project Cost:	\$	8,000.00

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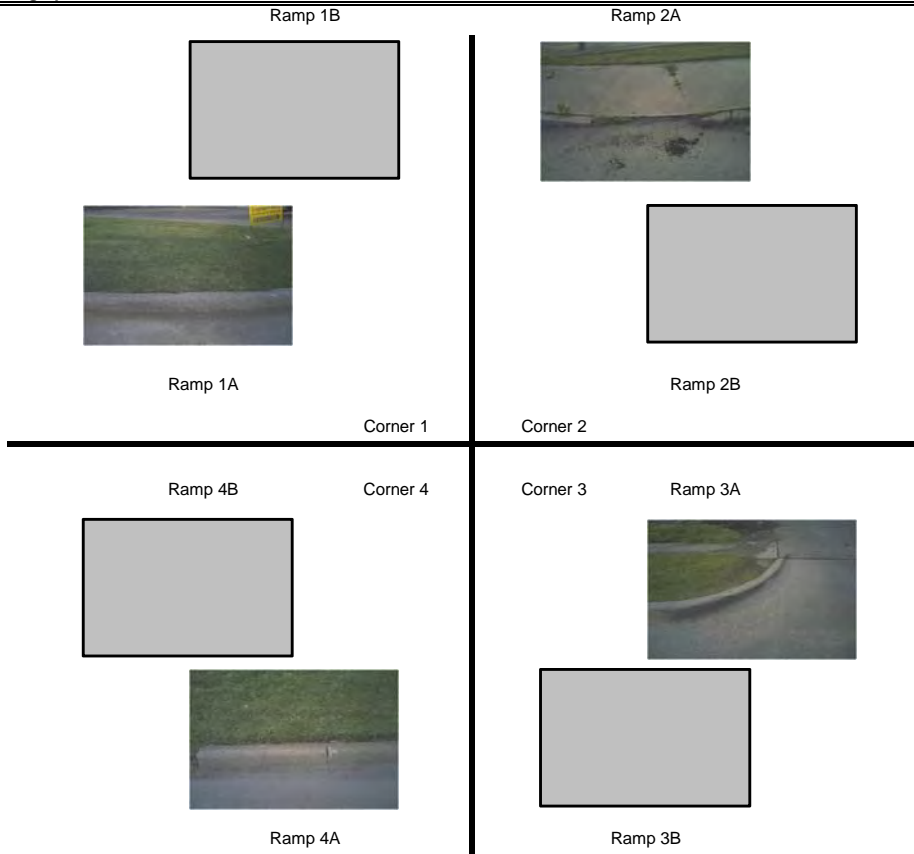
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 116th East Ave
 GPS ID: 13058

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	13,191.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,060.83
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,747.77
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

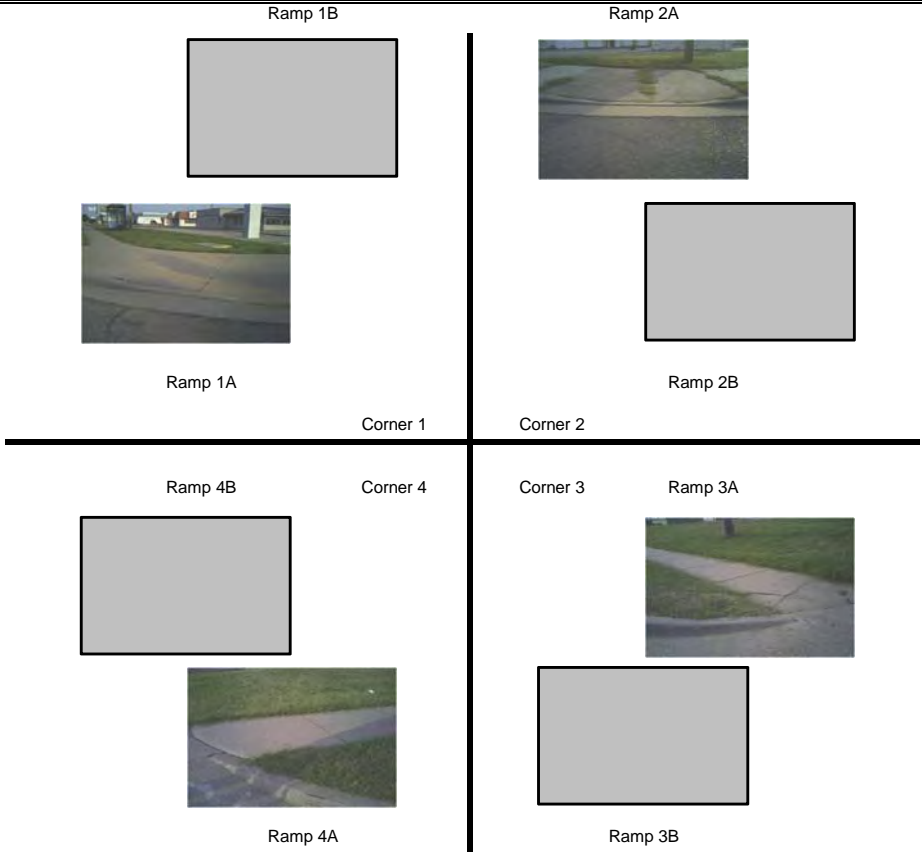
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 117th East Ave and E 21st St GPS ID: 13059

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$ 11,865.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,200.63
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,934.17
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

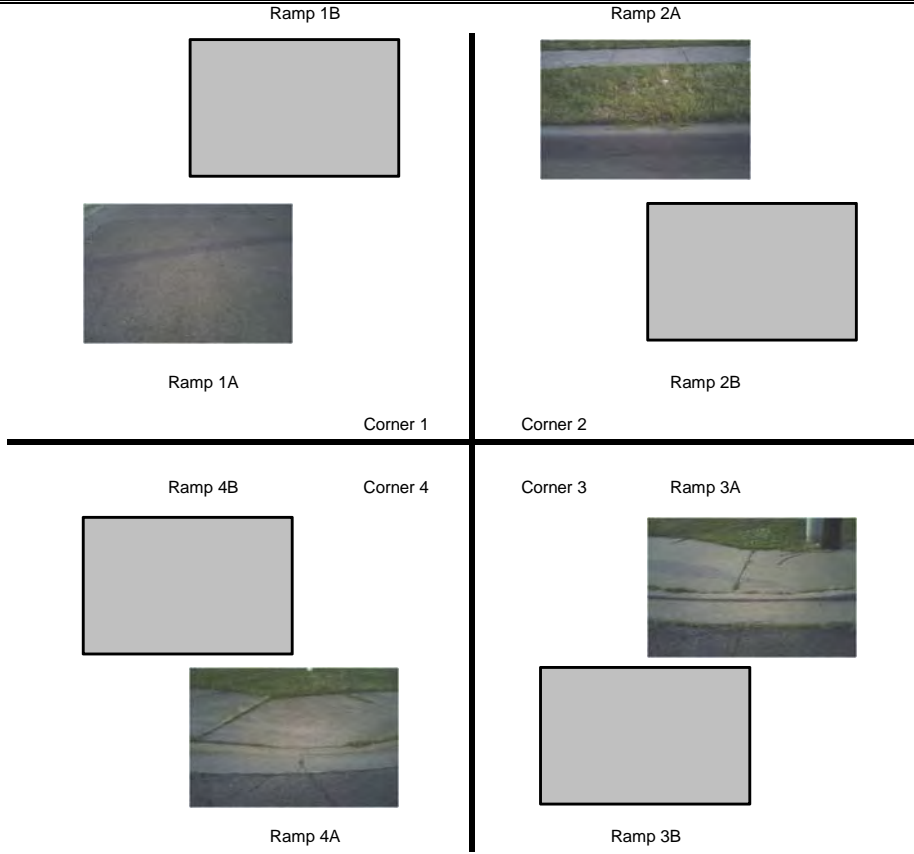
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X	X			
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 120th East Ave (north)

GPS ID: 13060

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,800.20
Engineering: (% +/-)	15%	\$ 1,799.91
Contingency: (% +/-)	20%	\$ 2,399.89
Estimated Project Cost:	\$	14,000.00

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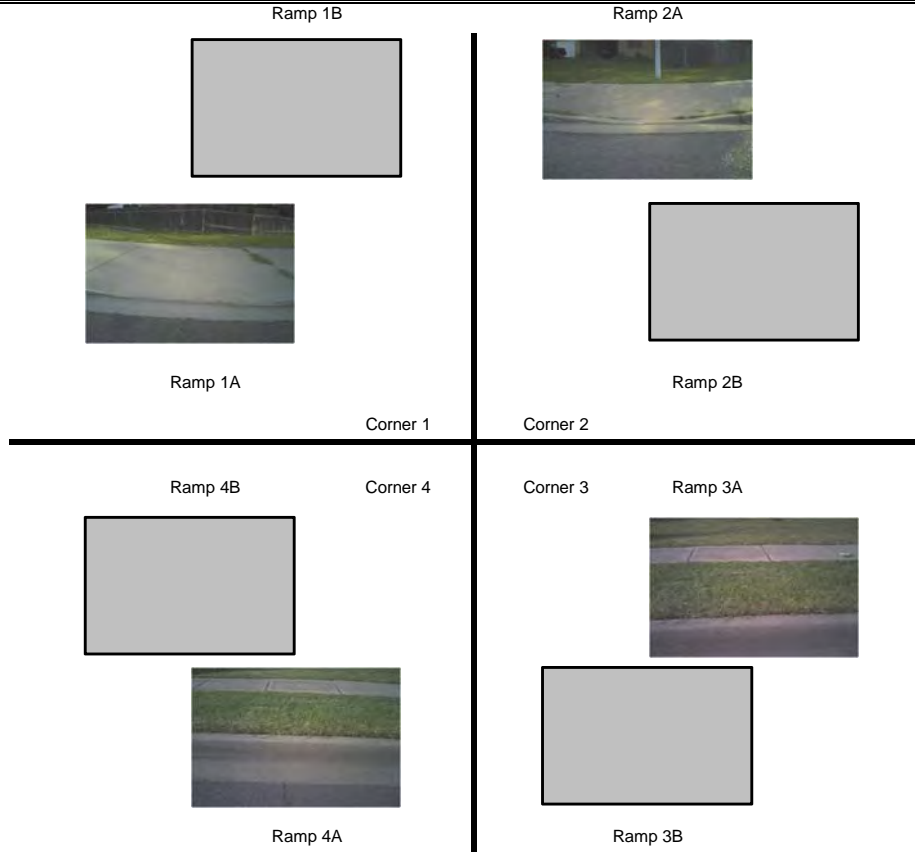
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 120th East Ave (south)

GPS ID: 13061

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,475.20
Engineering: (% +/-)	15%	\$ 1,939.20
Contingency: (% +/-)	20%	\$ 2,585.60
Estimated Project Cost:	\$	16,000.00

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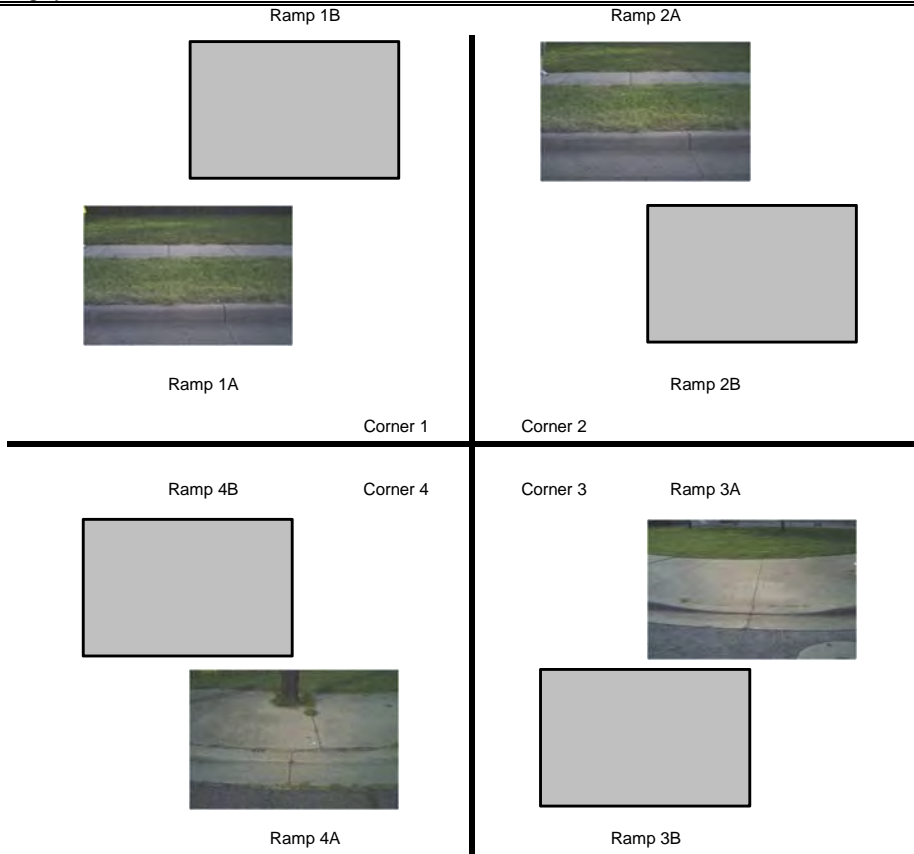
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 123rd East Ave
 GPS ID: 13062

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,191.40
Engineering: (% +/-)	15%	\$ 2,060.83
Contingency: (% +/-)	20%	\$ 2,747.77
Estimated Project Cost:	\$	18,000.00

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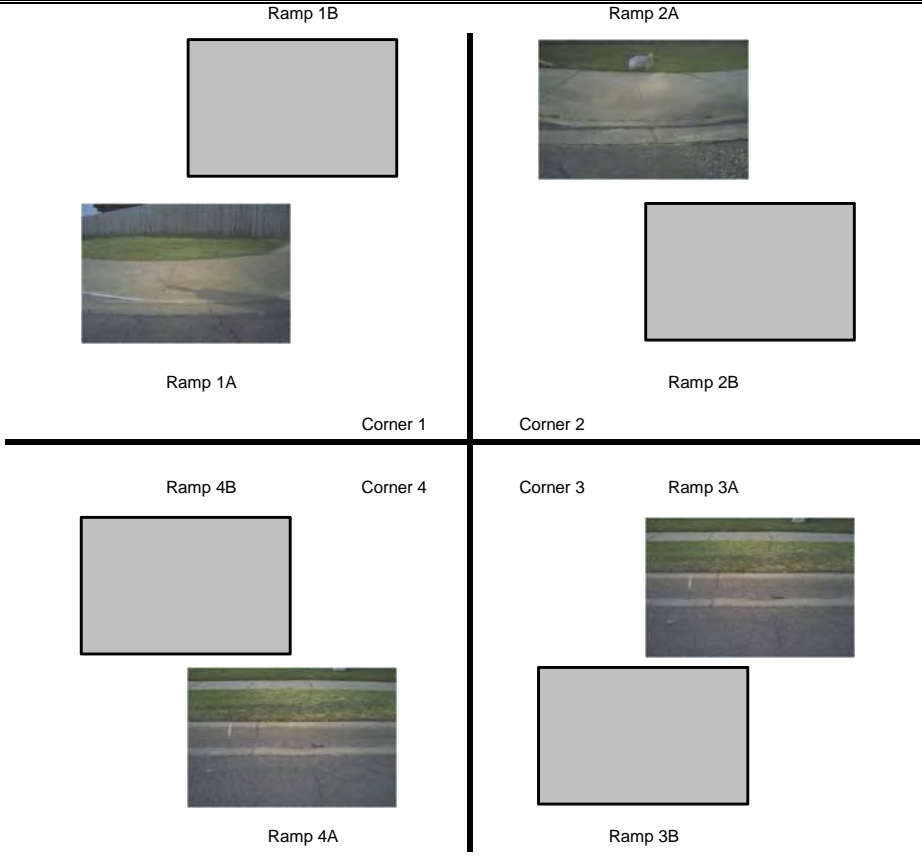
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X					Install colored truncated domes	
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X					Install landing area	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X					Regrade roadway	
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 125th East Ave (north)

GPS ID: 13063

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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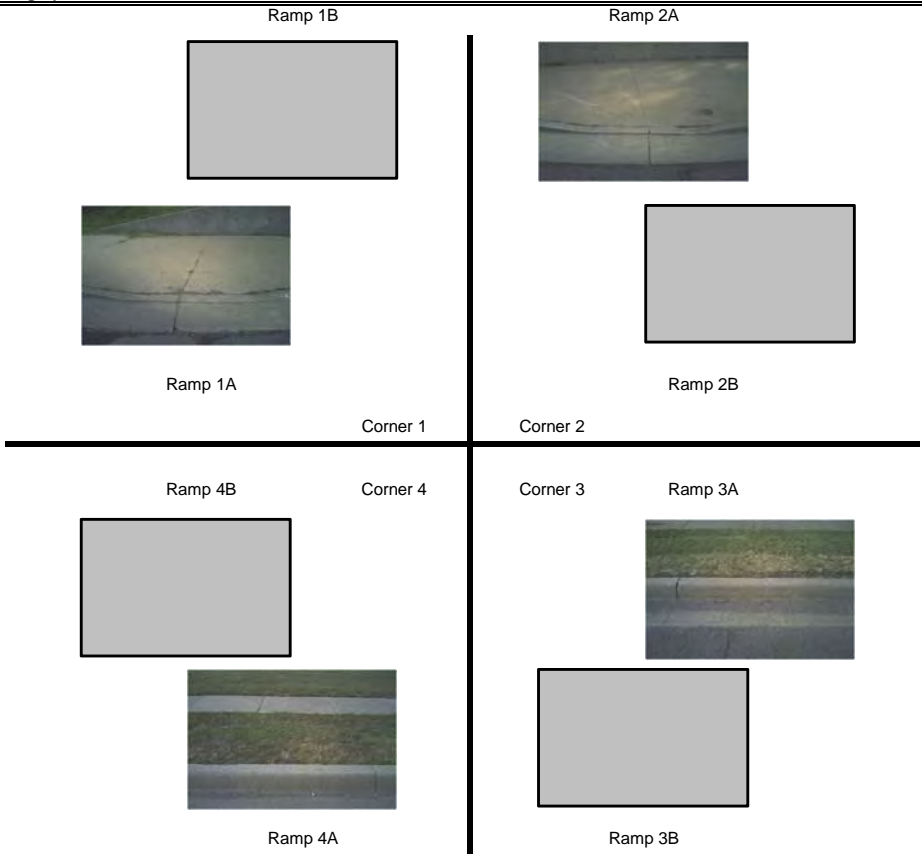
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 125th East Ave (south)

GPS ID: 13063a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

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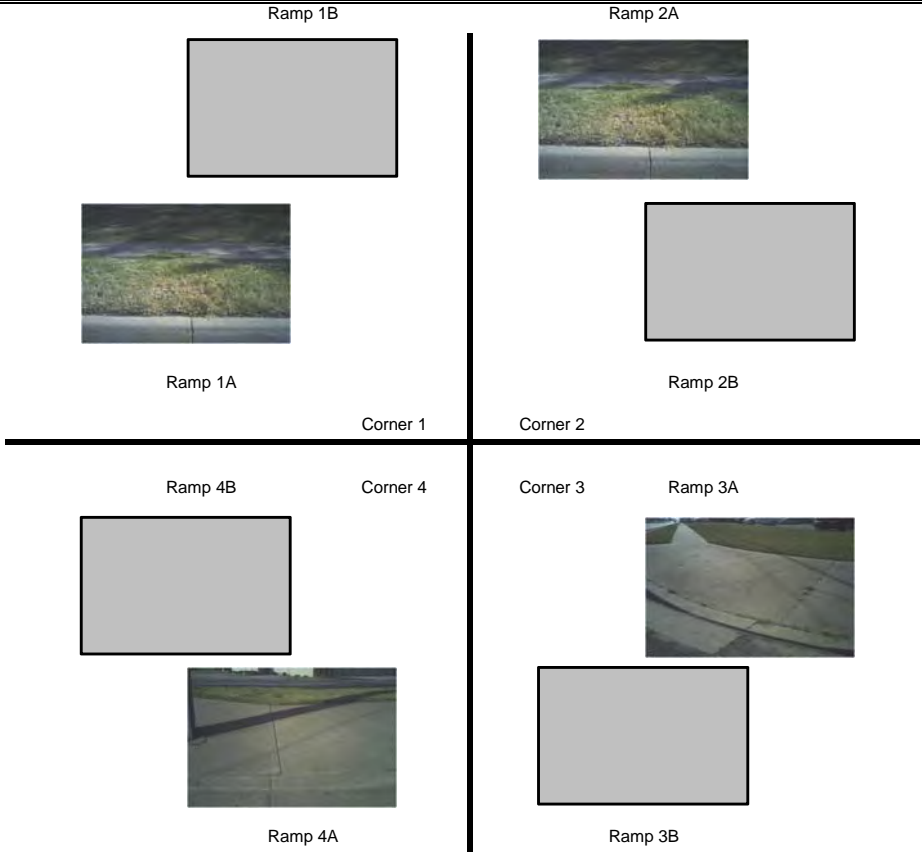
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X	X			
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X	X			Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X	X			
Ponding occurs at base of ramp					X	X			
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 130th East Ave

GPS ID: 13064

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,574.20
Engineering: (% +/-)	15%	\$ 1,468.20
Contingency: (% +/-)	20%	\$ 1,957.60
Estimated Project Cost:	\$	13,000.00

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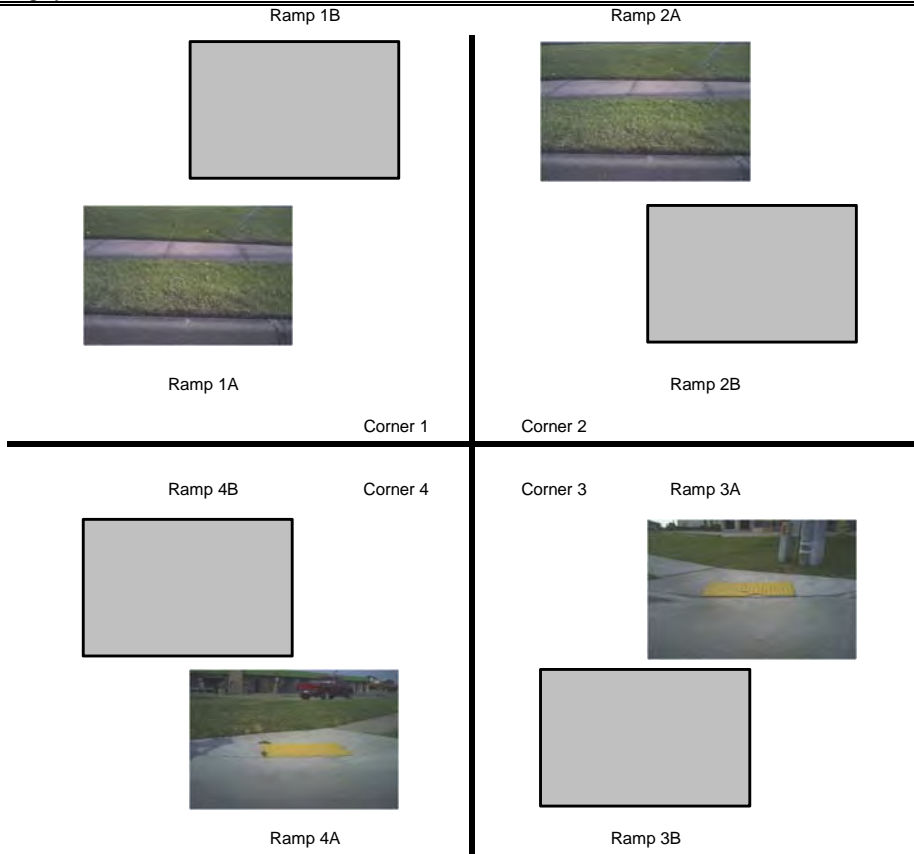
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 131st East Ave

GPS ID: 13065

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S 133rd East Ave

GPS ID: 13066

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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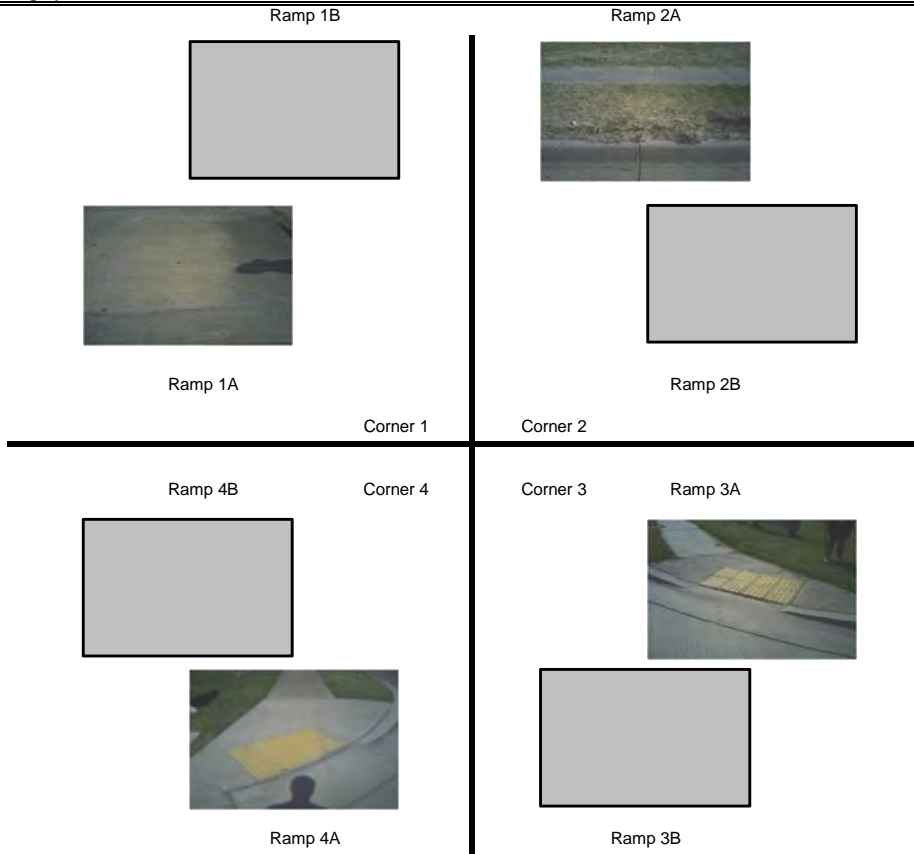
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N 25th West Ave and W Easton St

GPS ID: 14000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	88.88	SY	\$ 80.00	\$ 7,110.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	32,808.00
Engineering: (% +/-)	15%	\$ 5,225.14
Contingency: (% +/-)	20%	\$ 6,966.86
Estimated Project Cost:	\$	45,000.00

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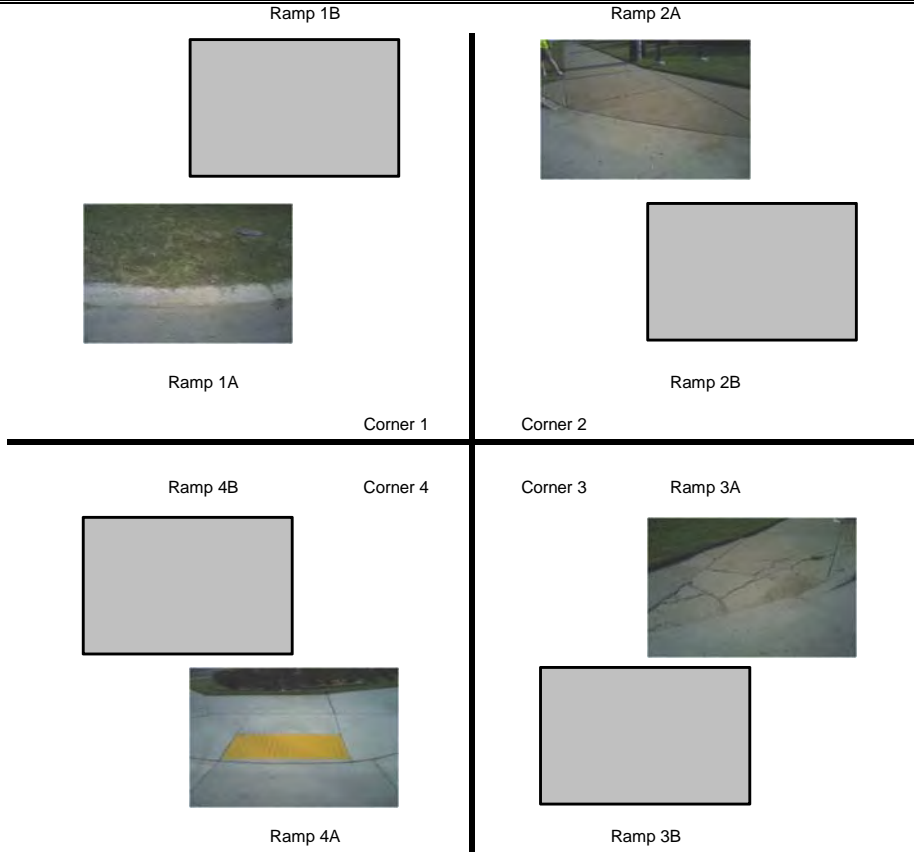
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		
Flare cross slope is greater than 10%								X	Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist					X				
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Cameron St and N 25th West Ave

GPS ID: 14001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

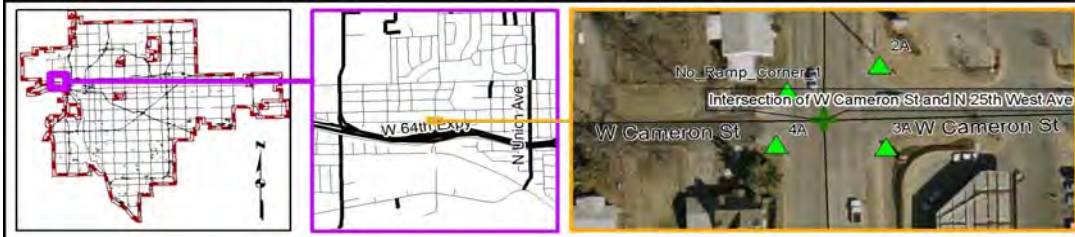
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,040.00
Engineering: (% +/-)	15%	\$ 1,268.57
Contingency: (% +/-)	20%	\$ 1,691.43
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

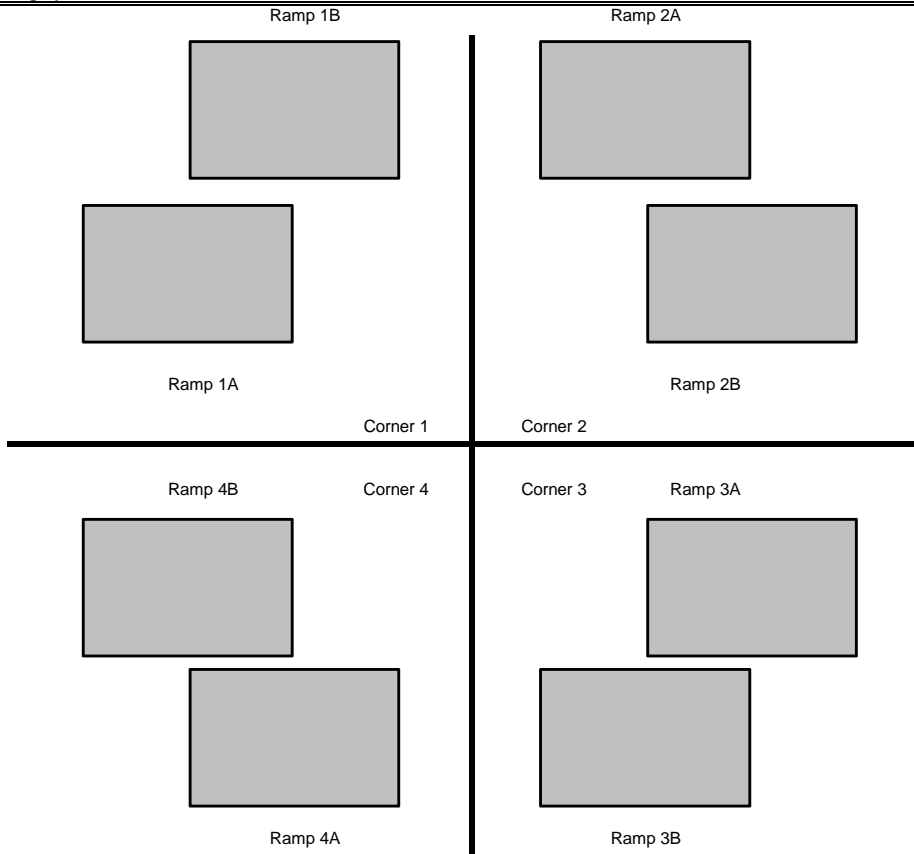
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S Gary Pl

GPS ID: 15000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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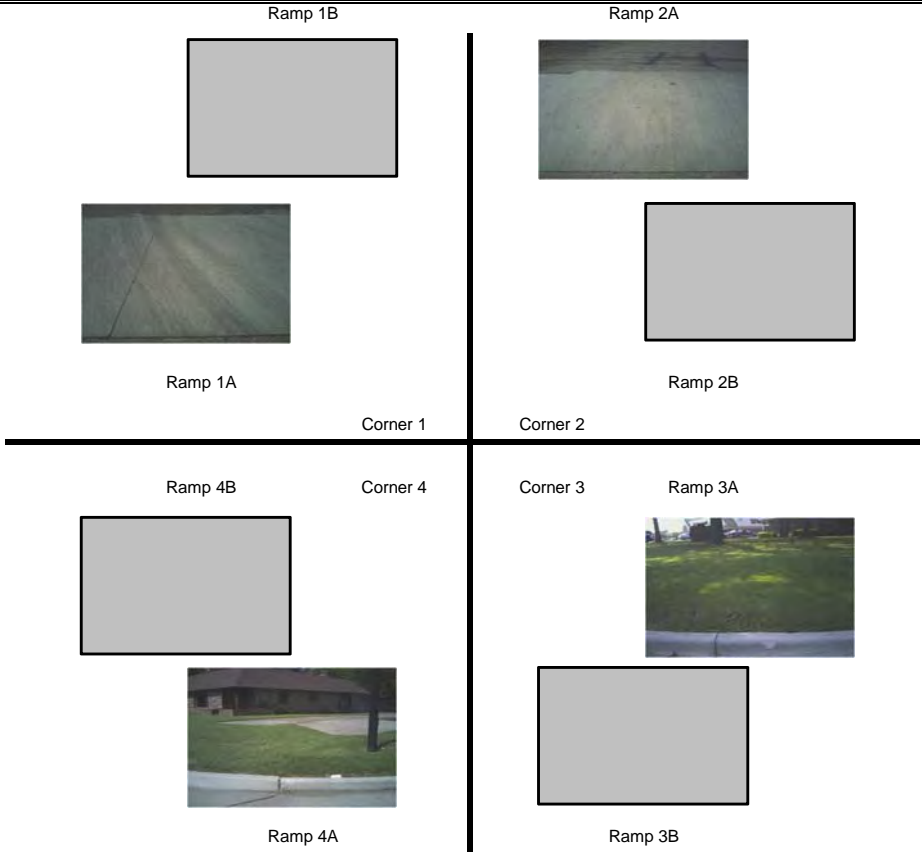
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S Jamestown Ave
 GPS ID: 15001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$ 18,229.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,901.86
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,869.14
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 25,000.00

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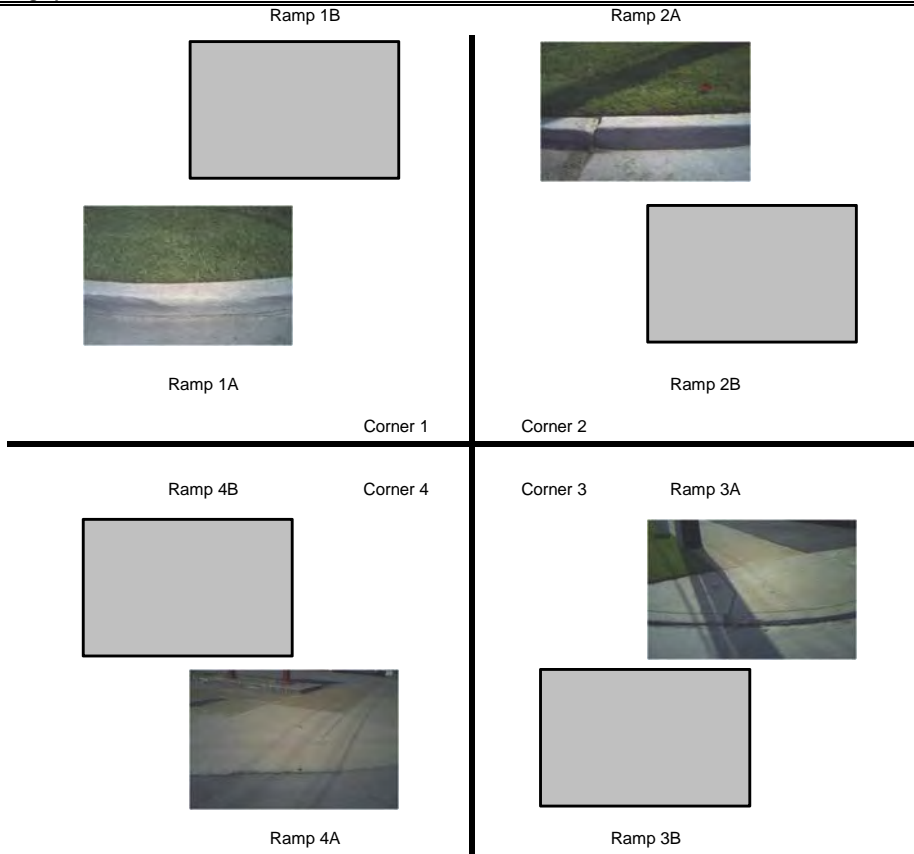
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Louisville Ave and E 31st St

GPS ID: 15002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,995.20
Engineering: (% +/-)	15%	\$ 2,744.91
Contingency: (% +/-)	20%	\$ 3,659.89
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

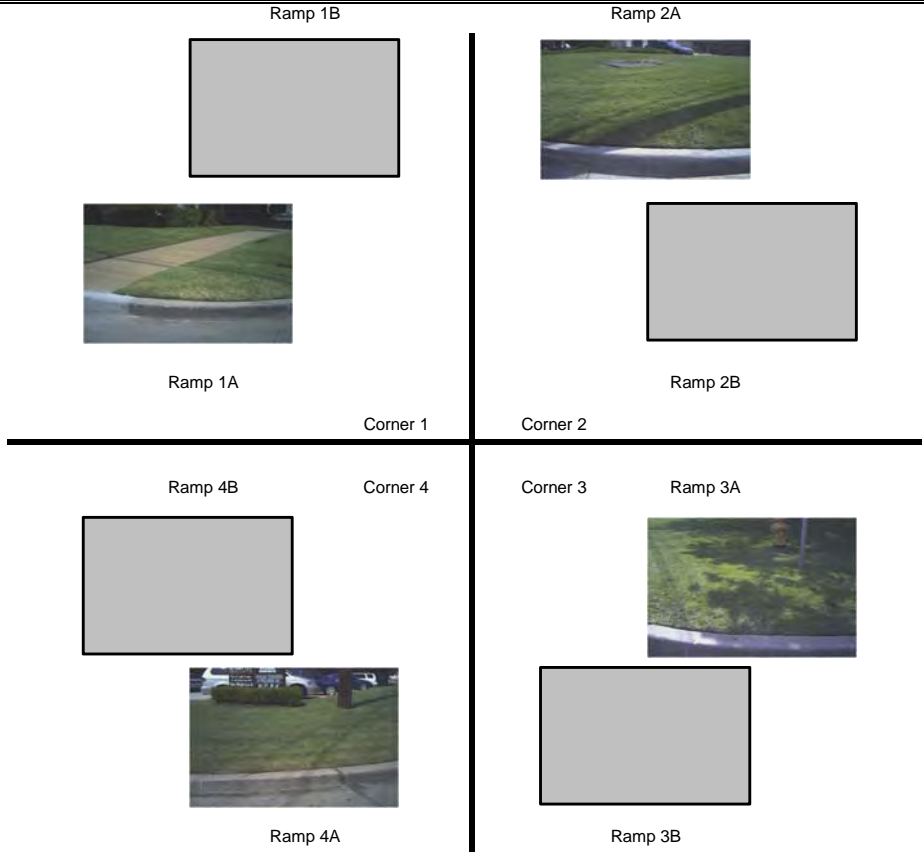
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S Winston Ave

GPS ID: 15003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

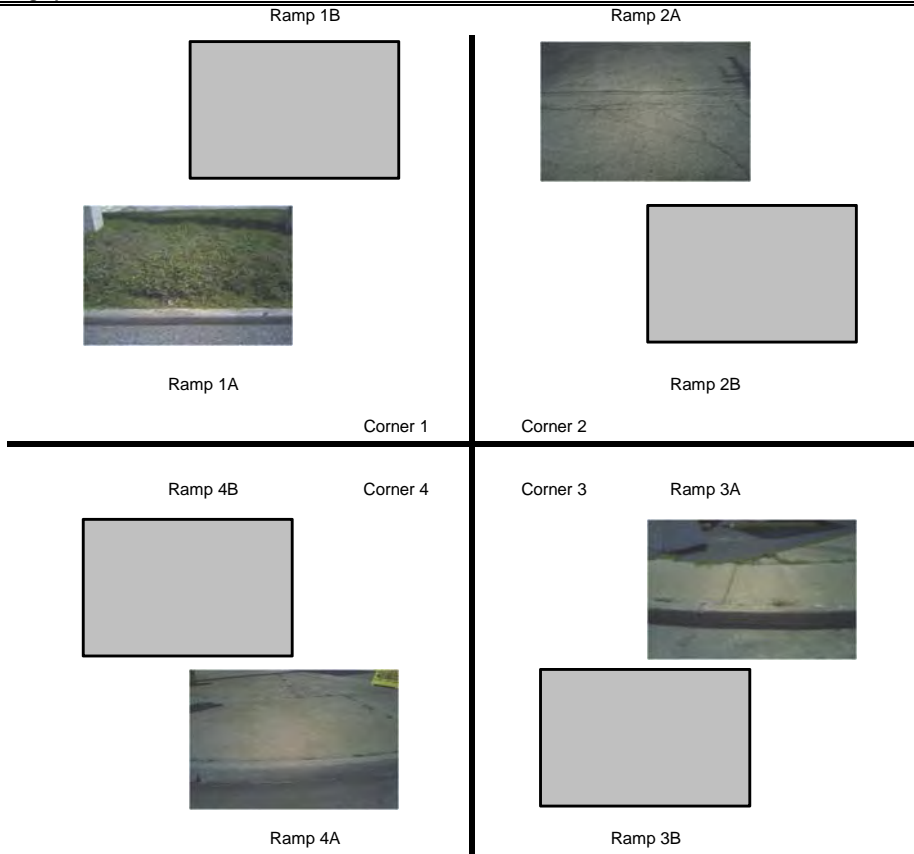
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S Darlington Ave

GPS ID: 15004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,075.20
Engineering: (% +/-)	15%	\$ 2,539.20
Contingency: (% +/-)	20%	\$ 3,385.60
Estimated Project Cost:	\$	21,000.00

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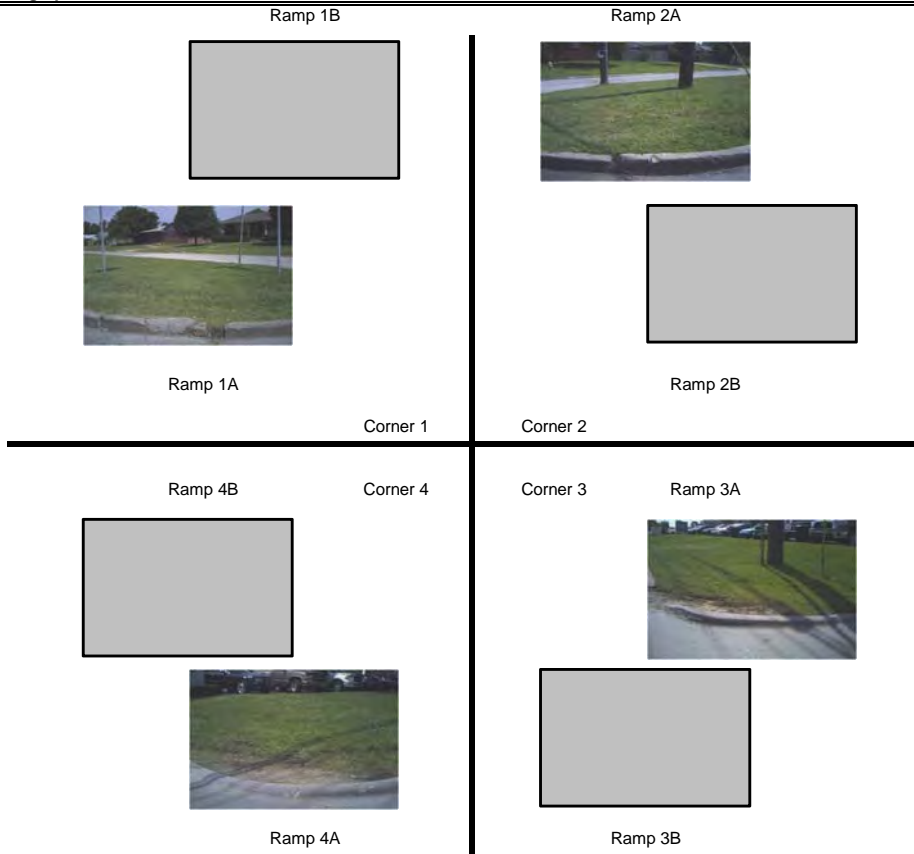
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 67th East Ave and E 31st St

GPS ID: 15007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,075.20
Engineering: (% +/-)	15%	\$ 2,539.20
Contingency: (% +/-)	20%	\$ 3,385.60
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

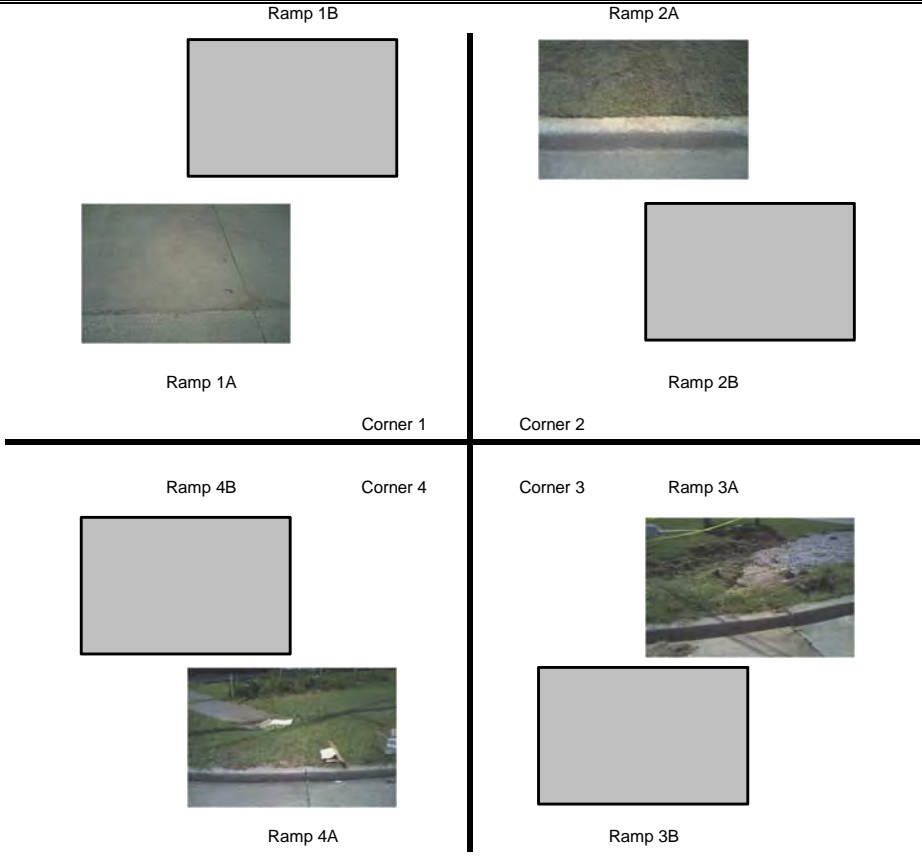
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 66th East Pl

GPS ID: 15008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

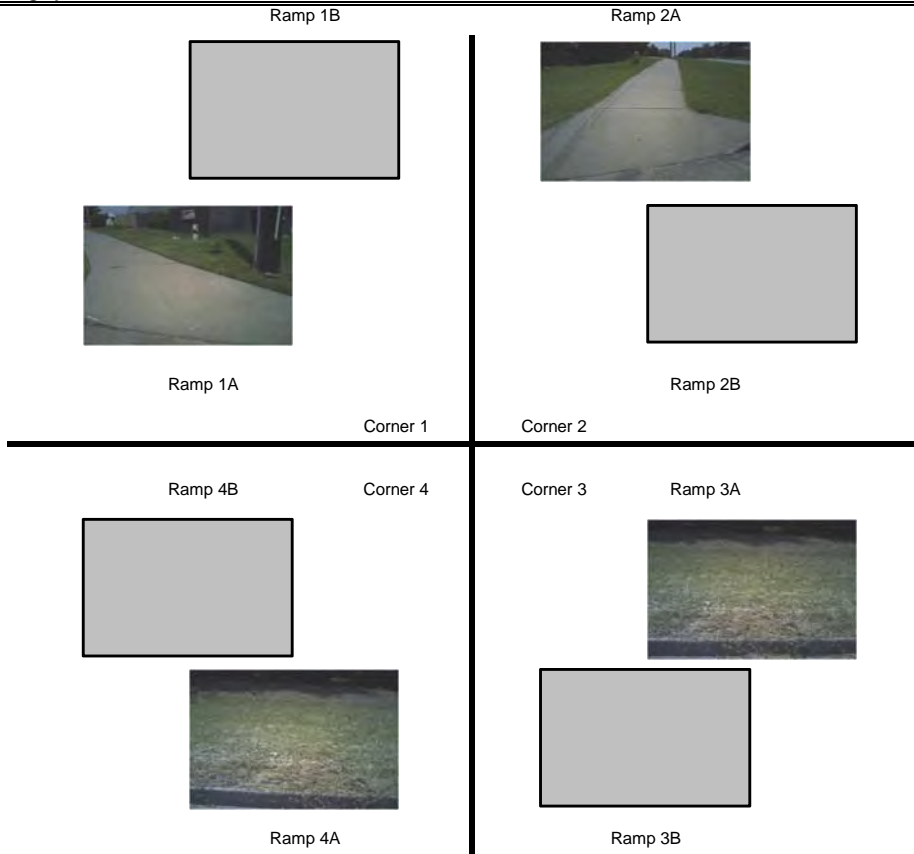
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 70th East Ave and E 31st St

GPS ID: 15009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

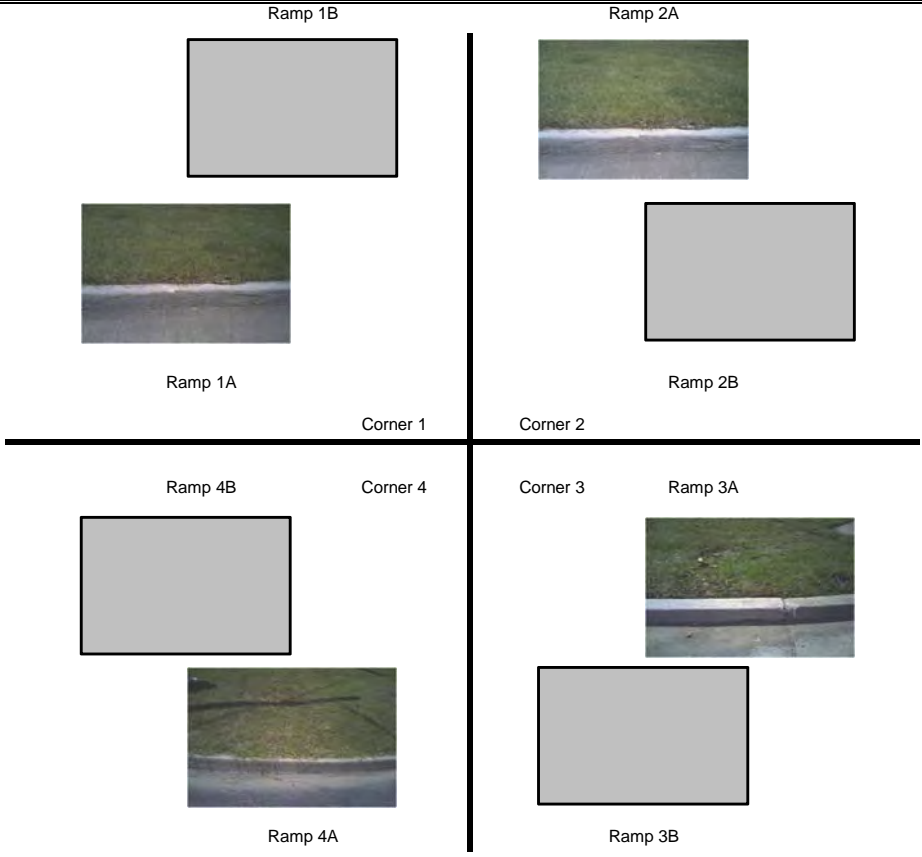
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and Service Rd (east of S 74th East Ave)

GPS ID: 15010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,679.20
Engineering: (% +/-)	15%	\$ 1,851.77
Contingency: (% +/-)	20%	\$ 2,469.03
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

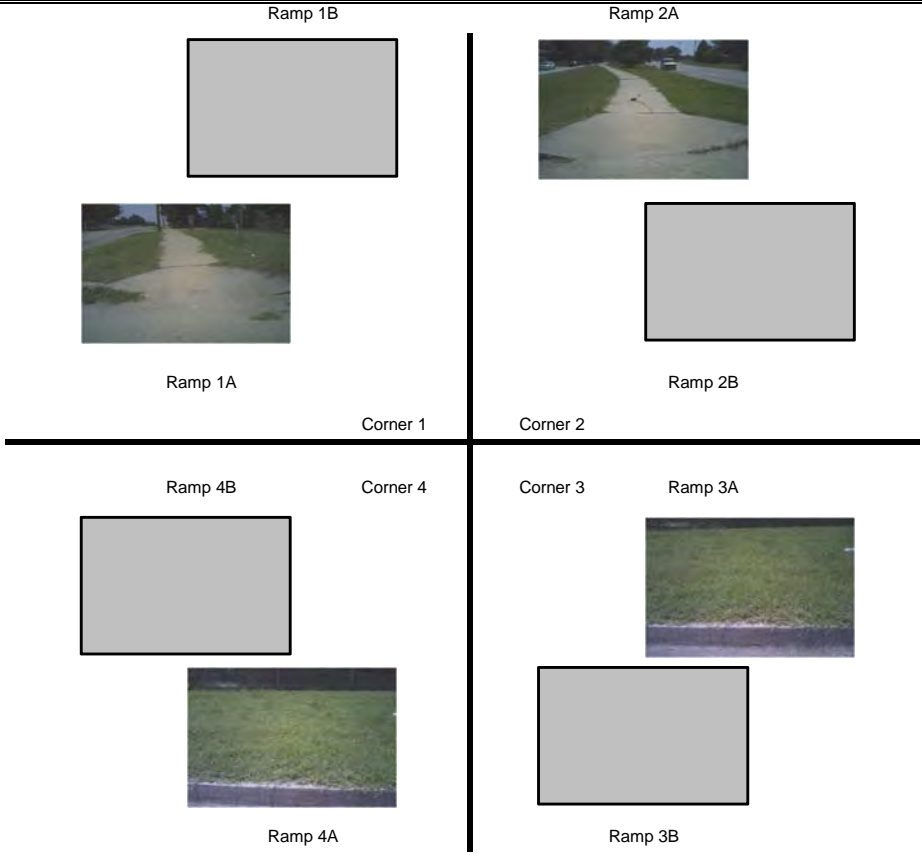
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and Service Rd (west of S 74th East Ave)

GPS ID: 15011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

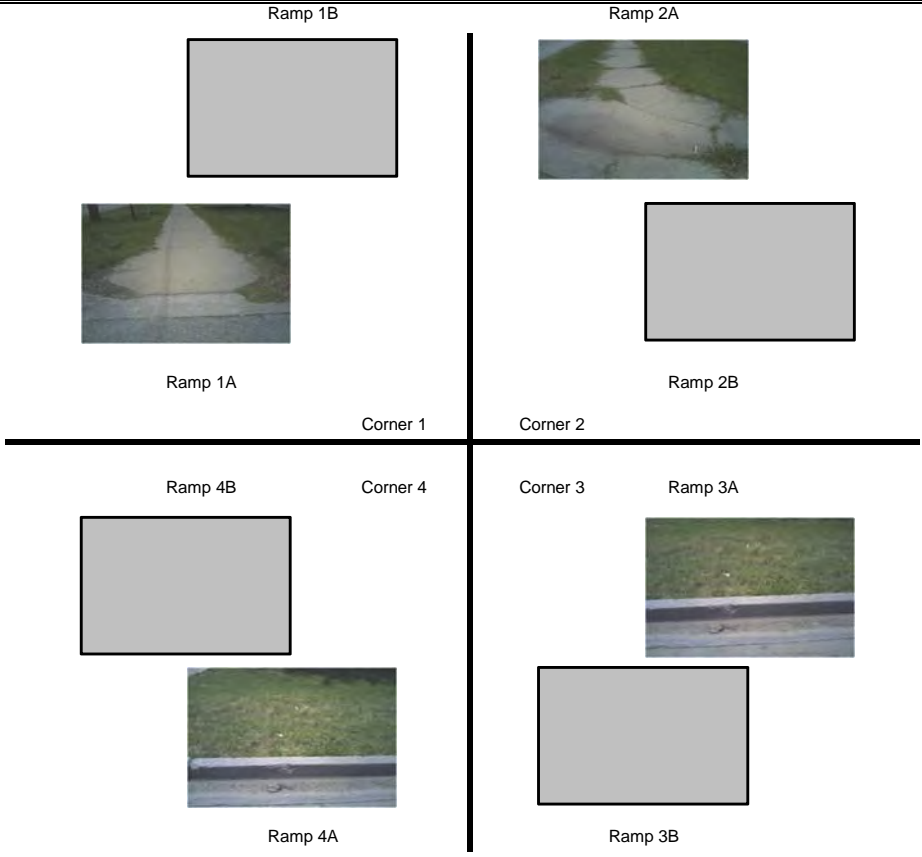
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 77th East Ave and E 31st St

GPS ID: 15012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

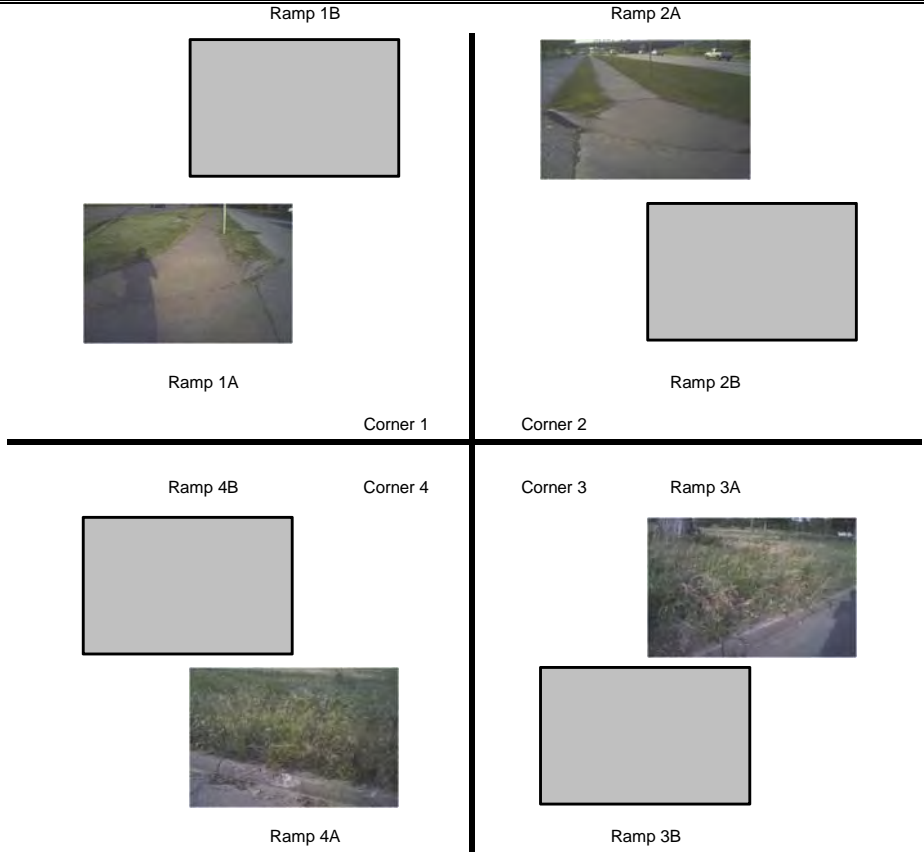
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 86th East Ave and E 31st St

GPS ID: 15013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

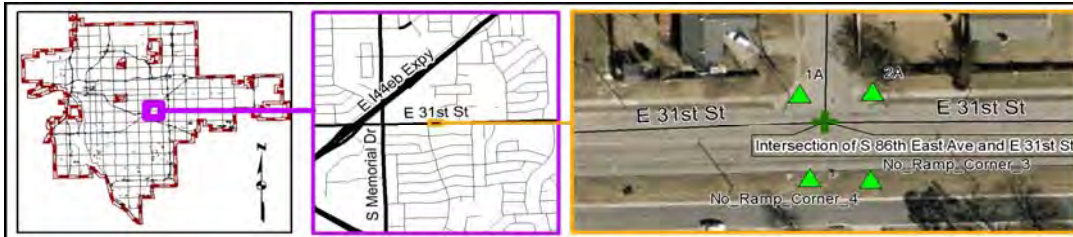
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,622.00
Engineering: (% +/-)	15%	\$ 1,019.14
Contingency: (% +/-)	20%	\$ 1,358.86
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

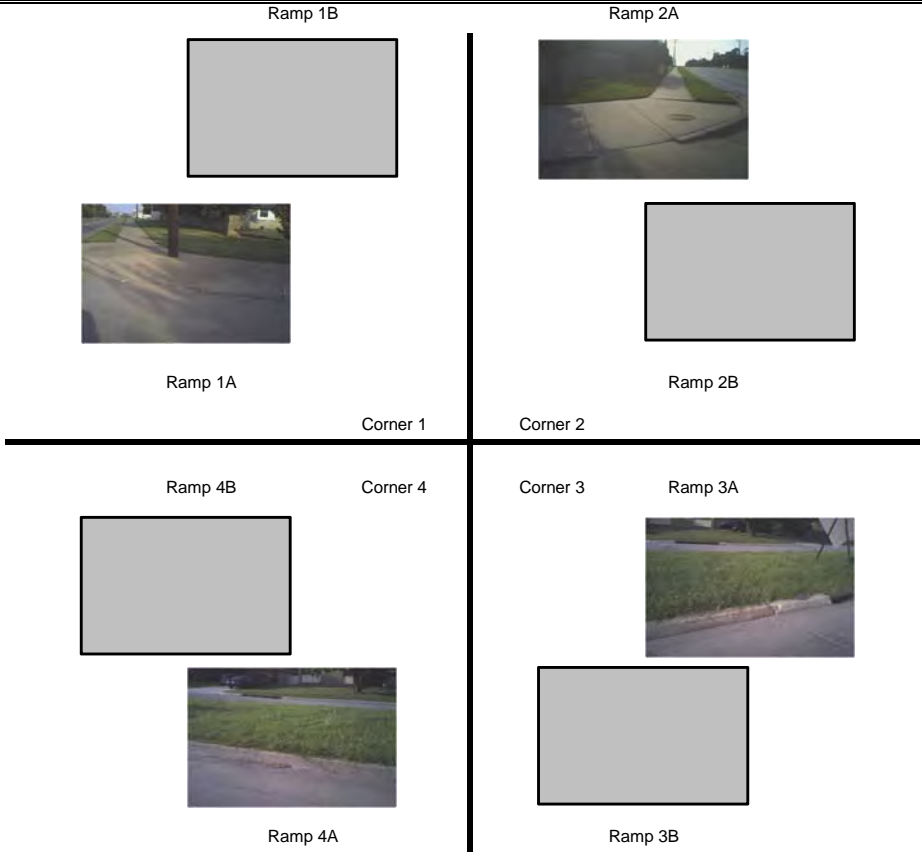
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 87th East Ave

GPS ID: 15014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

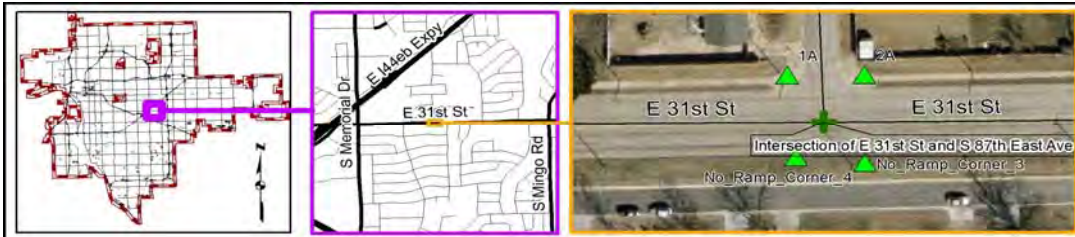
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

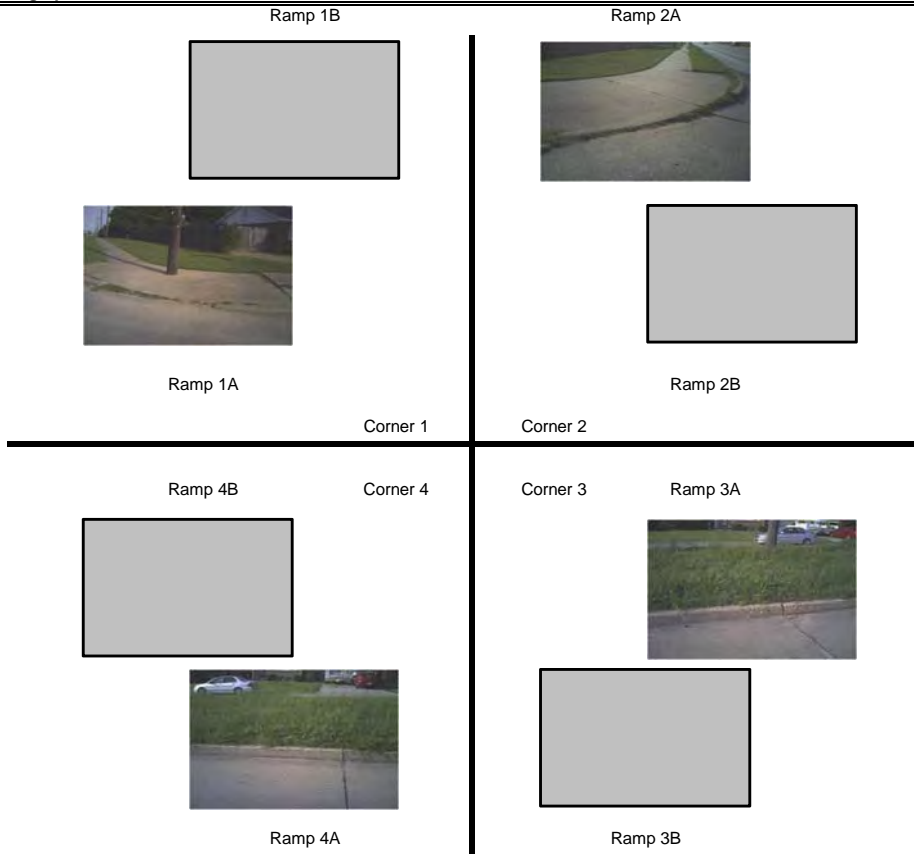
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 88th East Ave

GPS ID: 15015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,015.30
Engineering: (% +/-)	15%	\$ 1,279.16
Contingency: (% +/-)	20%	\$ 1,705.54
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

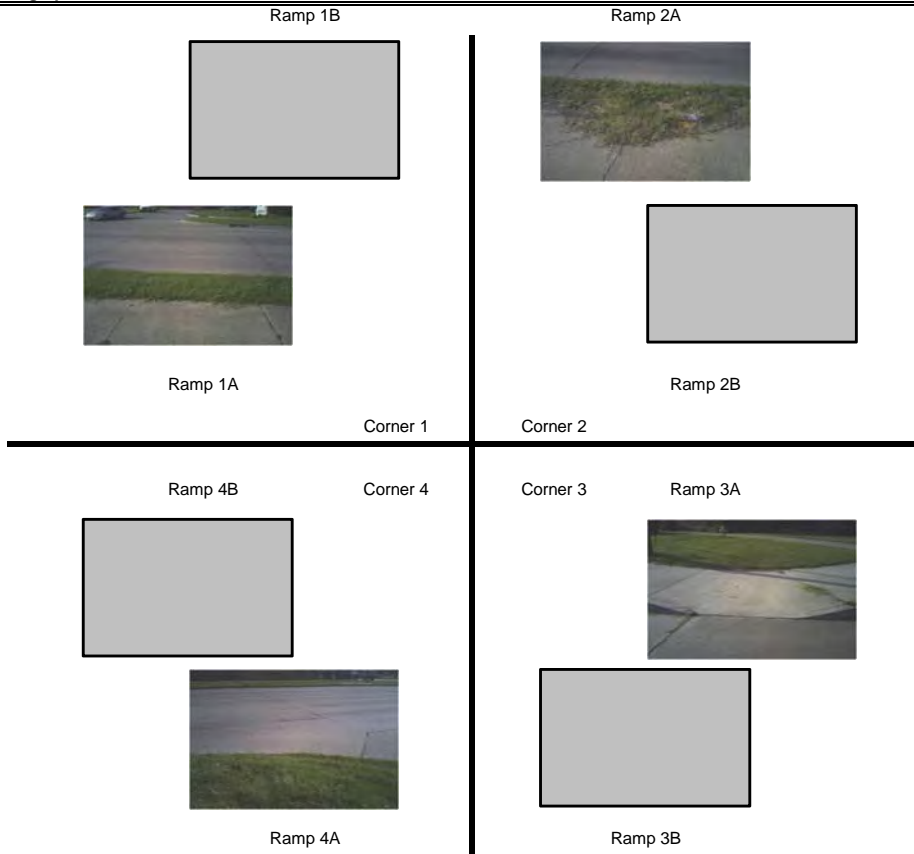
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed						X			Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry			X						Remove ramp
Ramp Priority:			H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 89th East Ave and E 31st St

GPS ID: 15016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,606.40
Engineering: (% +/-)	15%	\$ 1,454.40
Contingency: (% +/-)	20%	\$ 1,939.20
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

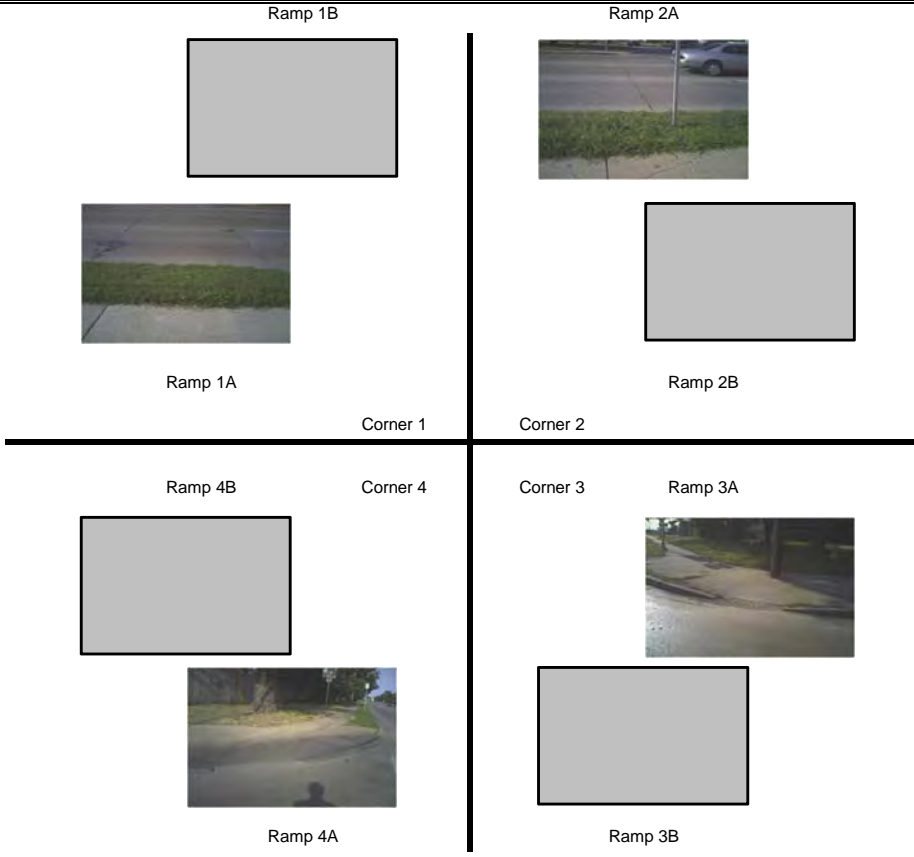
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp					X	X			
Ramp not needed due to existing geometry									
Ramp Priority:					H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 94th East Ave

GPS ID: 15017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

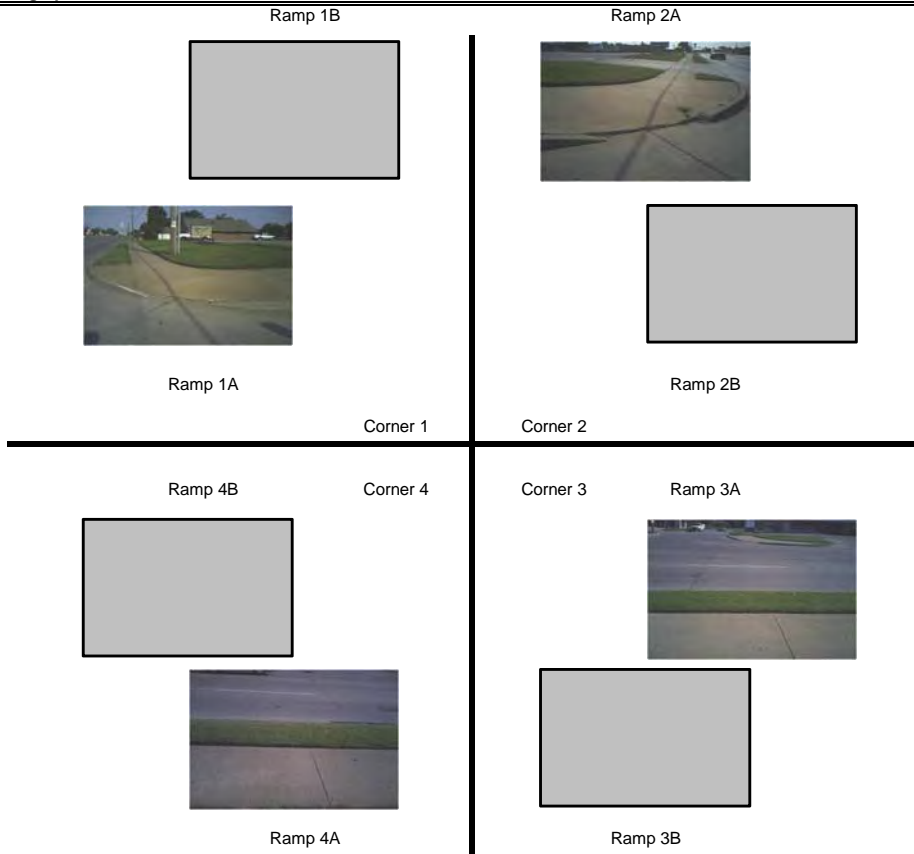
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 93rd East Ave and E 31st St

GPS ID: 15018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,079.60
Engineering: (% +/-)	15%	\$ 2,108.74
Contingency: (% +/-)	20%	\$ 2,811.66
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

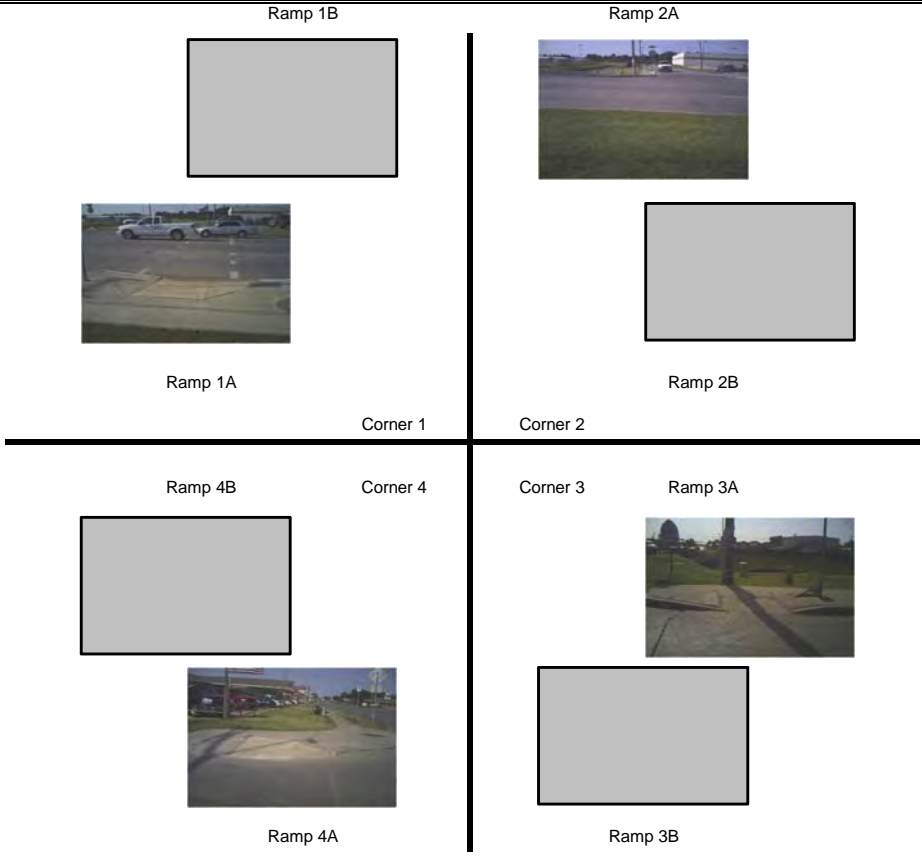
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%	X				X	X			
Ramp cross slope is greater than 2%	X					X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X	X			Install colored truncated domes
No color contrast at base of ramp	X				X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H				H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 99th East Ave

GPS ID: 15019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

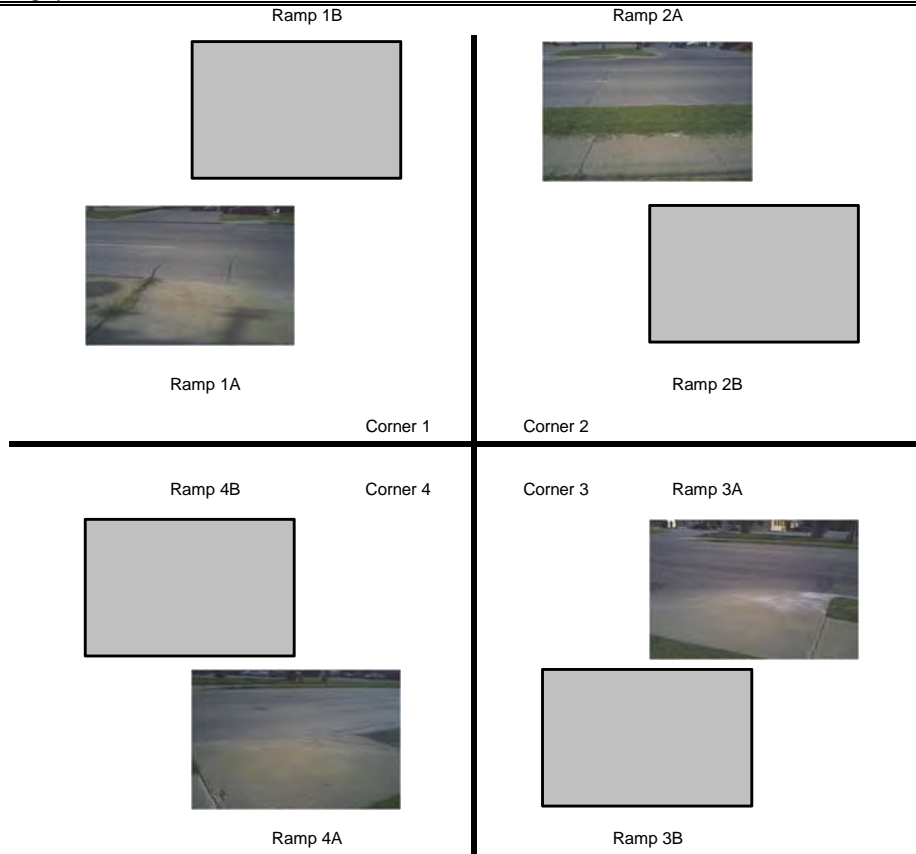
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 101st East Ave (south)

GPS ID: 15020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

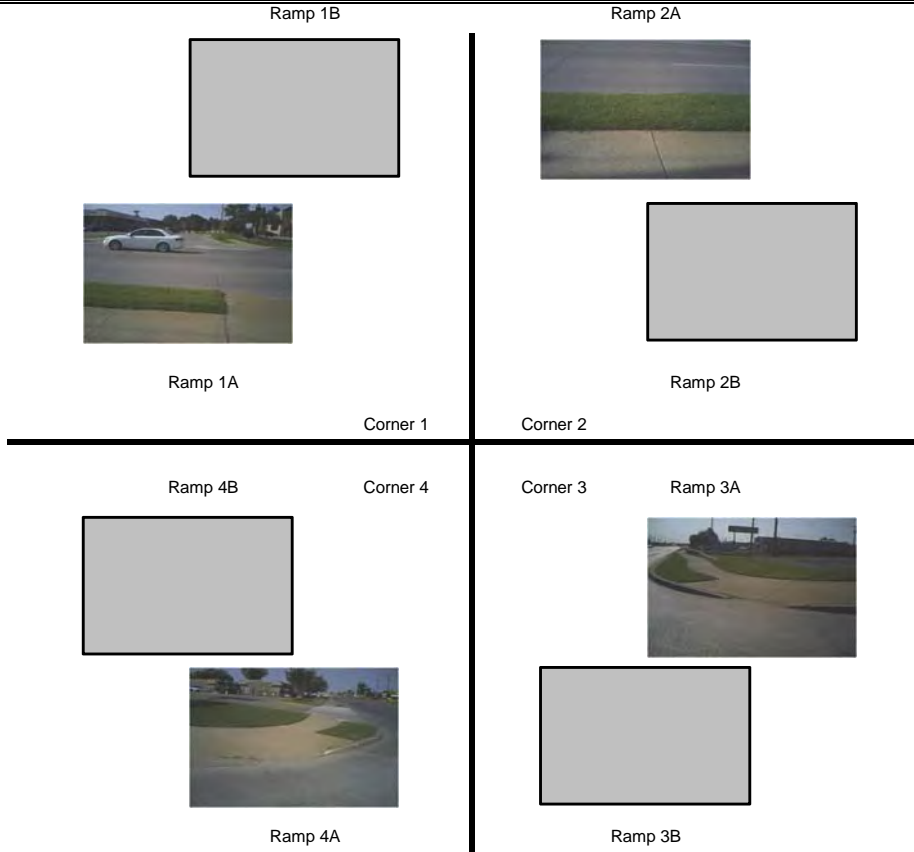
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"					X		X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 101st East Ave (north)

GPS ID: 15021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,515.20
Engineering: (% +/-)	15%	\$ 2,350.63
Contingency: (% +/-)	20%	\$ 3,134.17
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

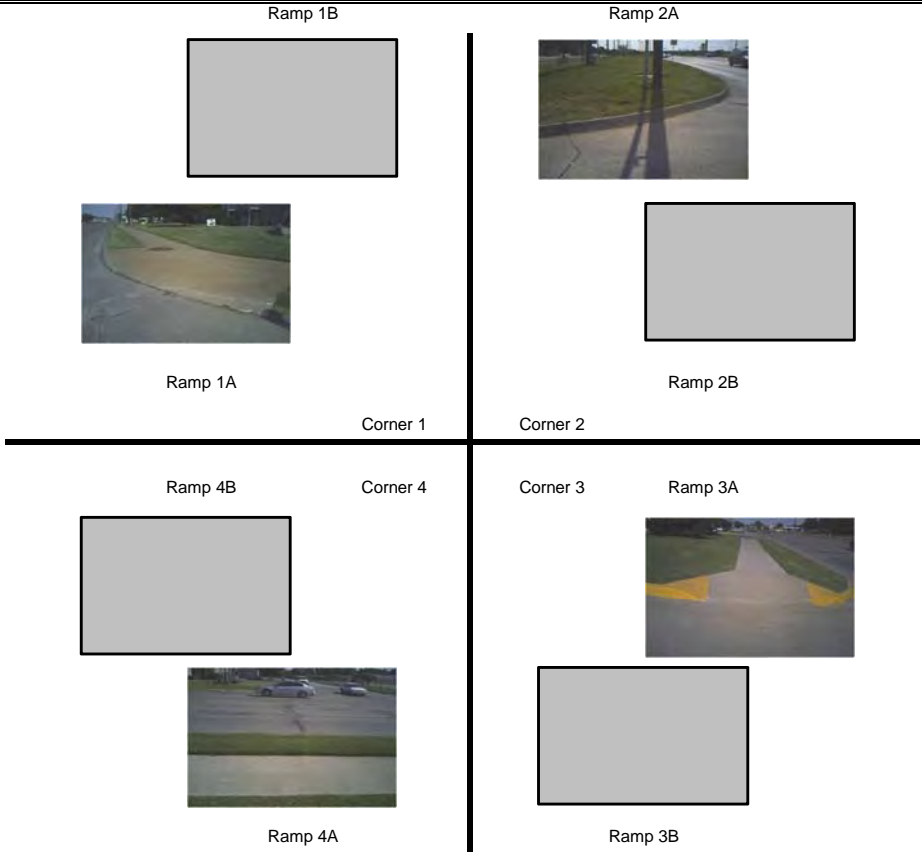
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X				Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 111th East Ave

GPS ID: 15022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

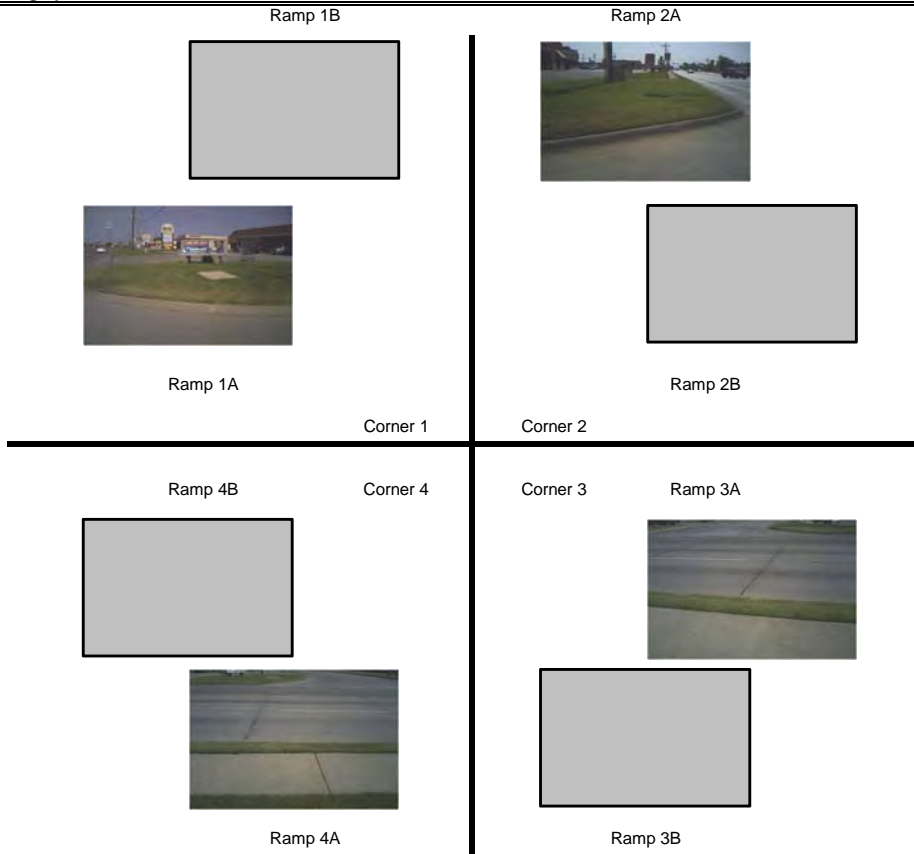
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 116th East Ave (south)

GPS ID: 15023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,057.80
Engineering: (% +/-)	15%	\$ 2,118.09
Contingency: (% +/-)	20%	\$ 2,824.11
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

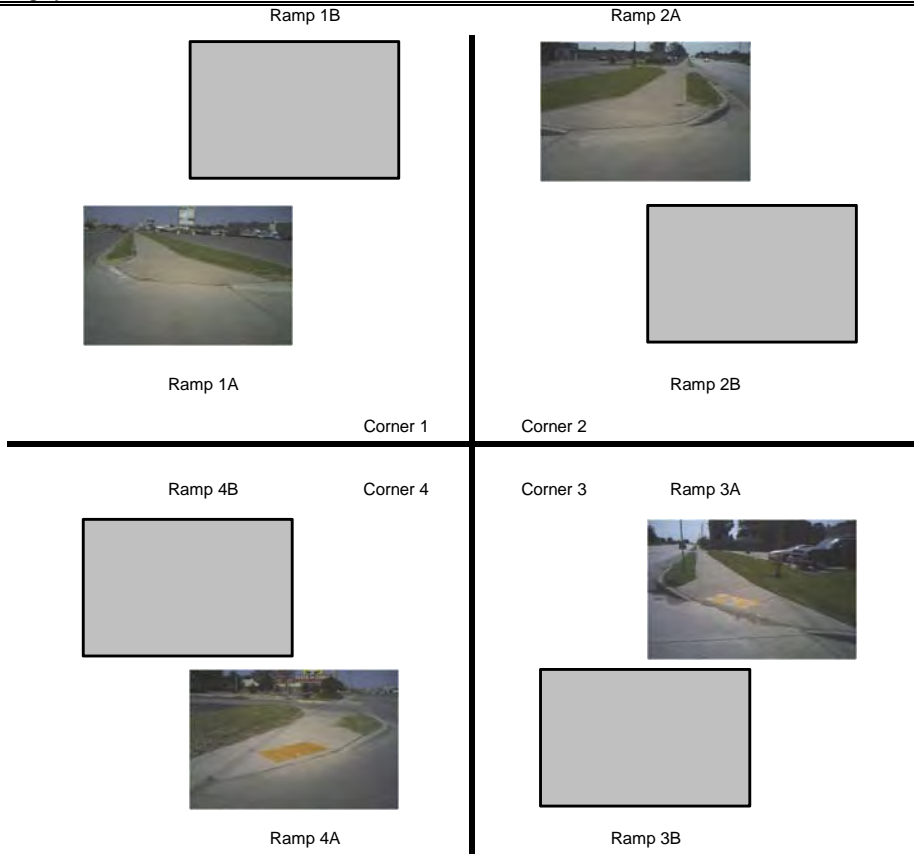
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 116th East Ave (north)

GPS ID: 15024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 120th East Pl

GPS ID: 15025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

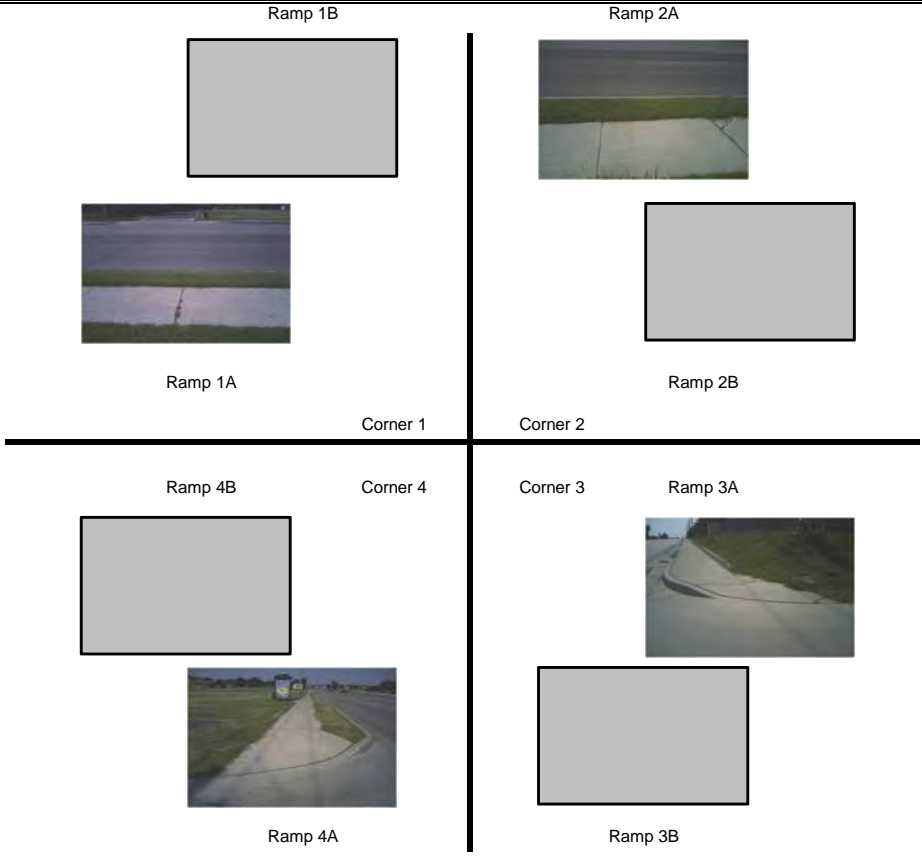
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 121st East Ave and E 31st St

GPS ID: 15026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,317.80
Engineering: (% +/-)	15%	\$ 2,863.80
Contingency: (% +/-)	20%	\$ 3,818.40
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

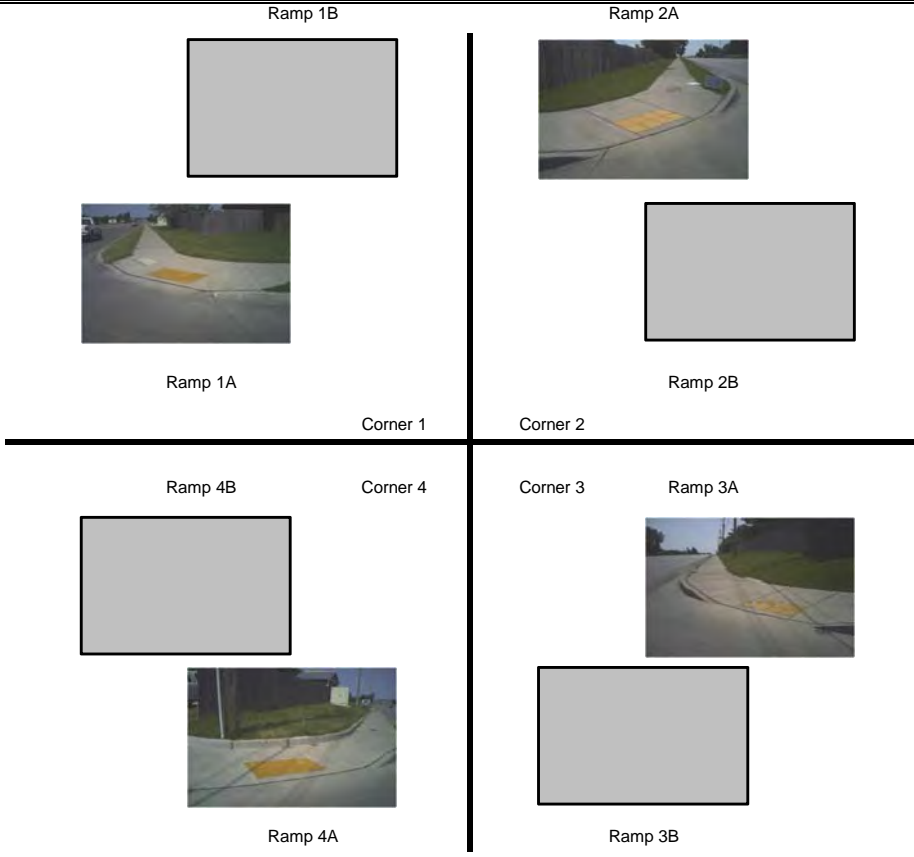
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 124th East Ave (north)

GPS ID: 15027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 31st St and S 124th East Ave (south)

GPS ID: 15028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

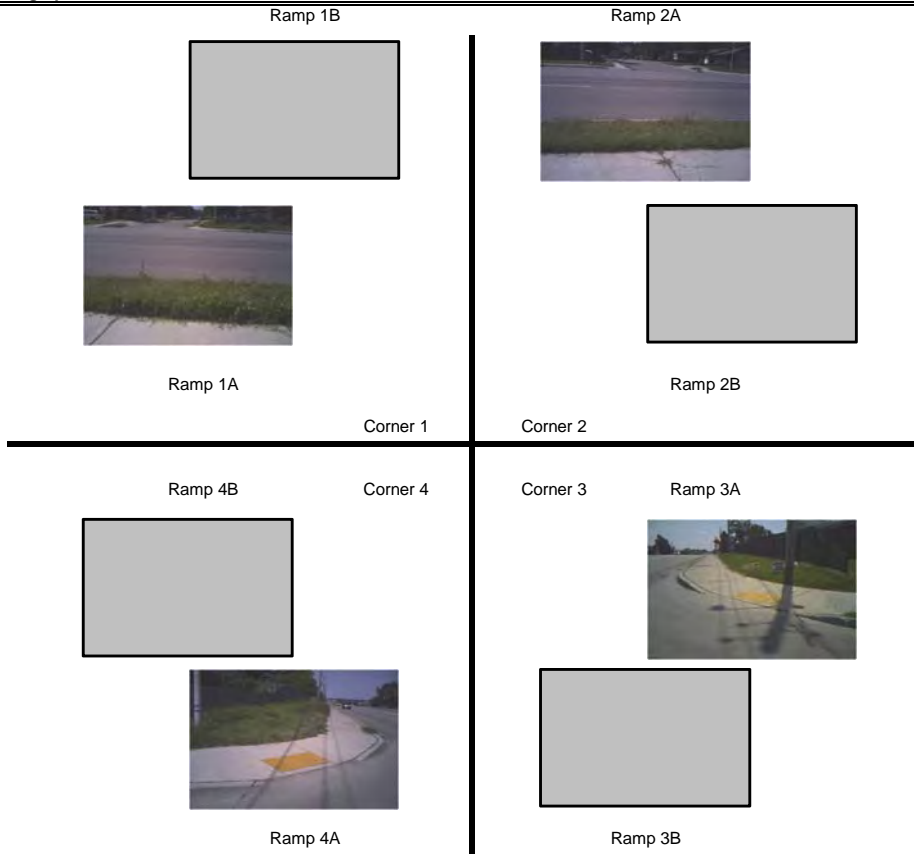
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 126th East Ave and E 31st St

GPS ID: 15029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

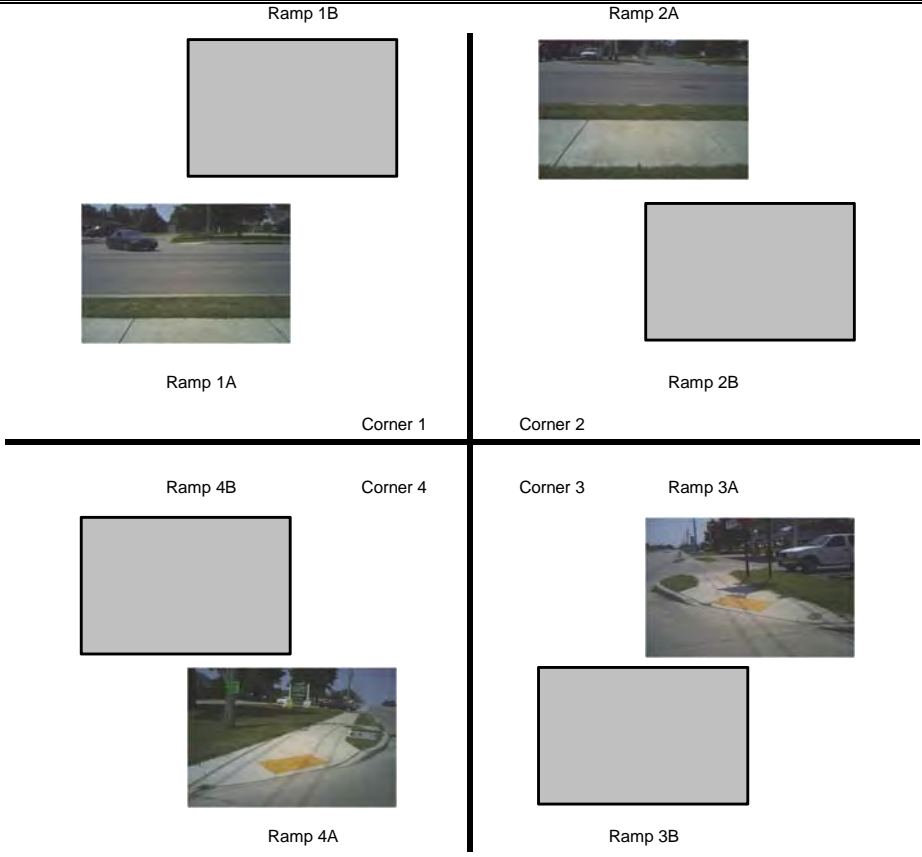
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 36th St N and N Detroit Ave

GPS ID: 16000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

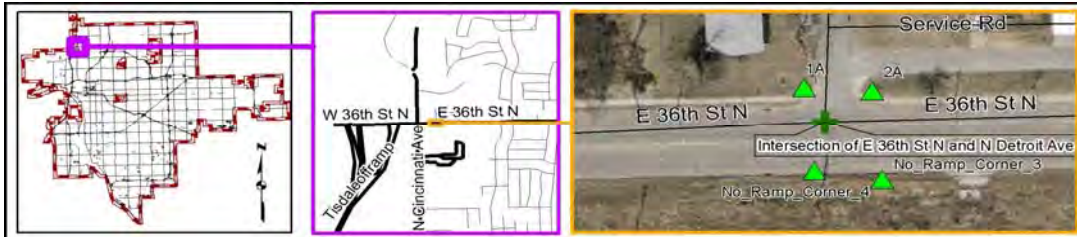
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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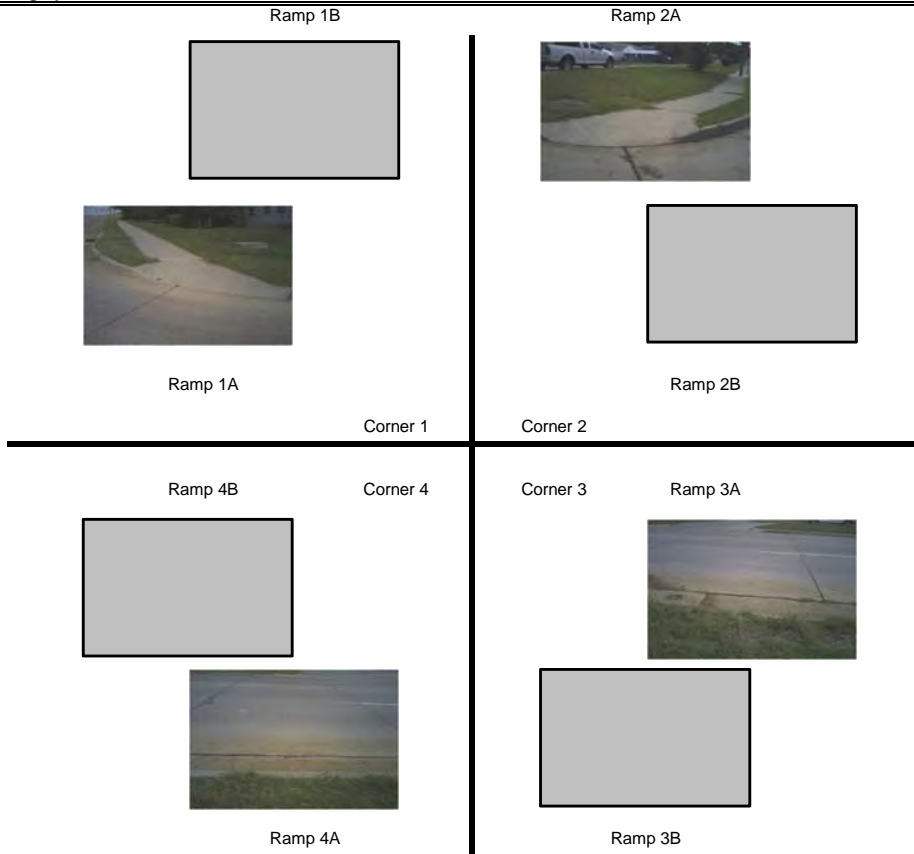
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 36th St N and N Elgin Ave

GPS ID: 16001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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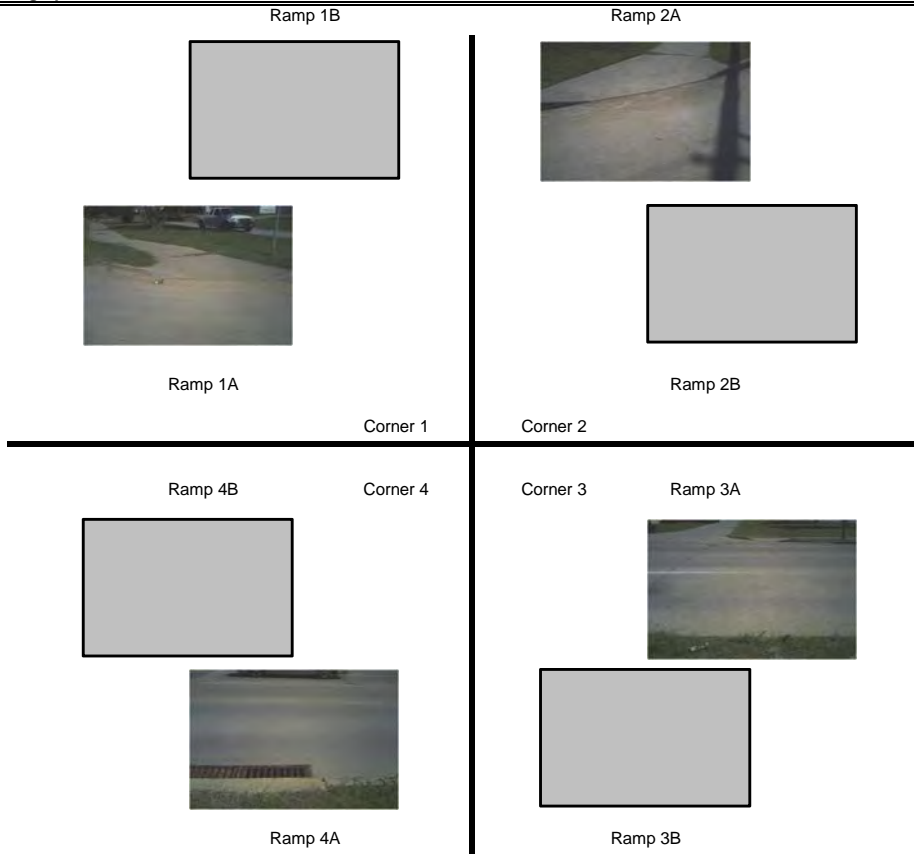
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Garrison Ave and E 36th St N

GPS ID: 16002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

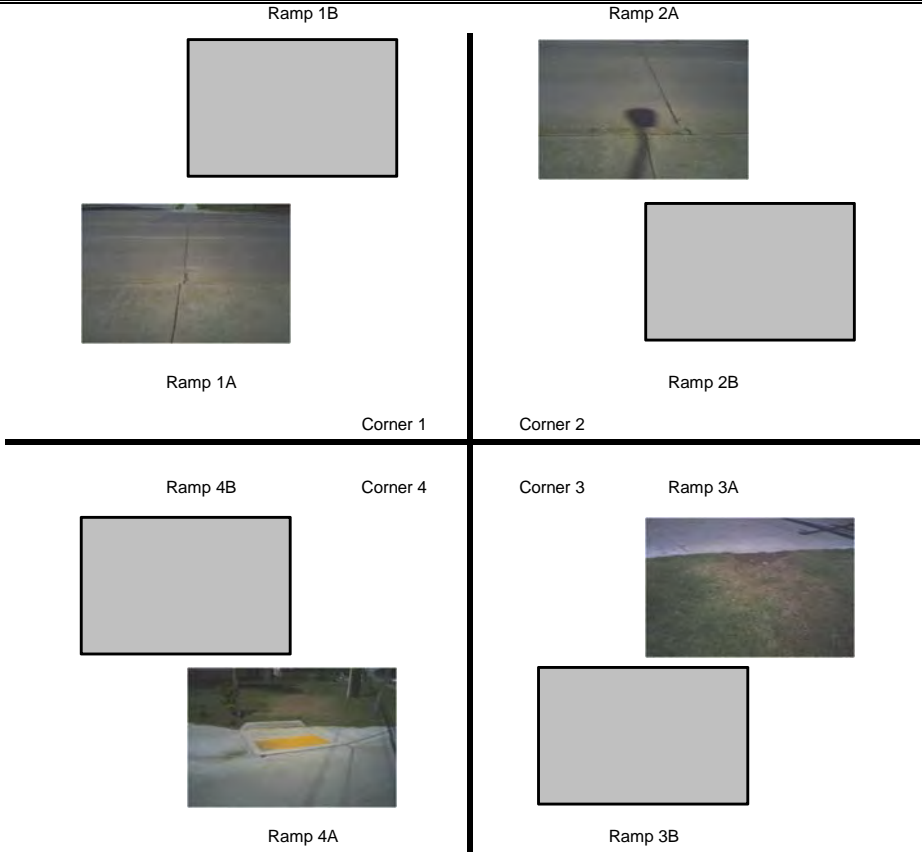
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 36th St N and N Kenosha Ave

GPS ID: 16003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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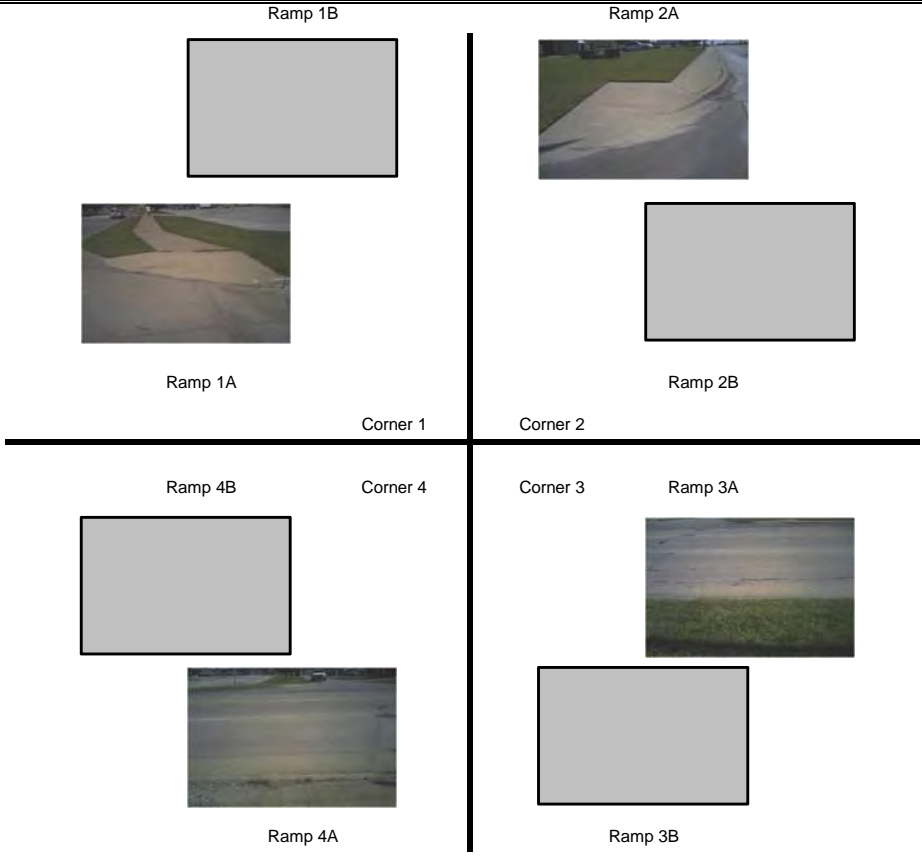
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lansing Ave and E 36th St N

GPS ID: 16004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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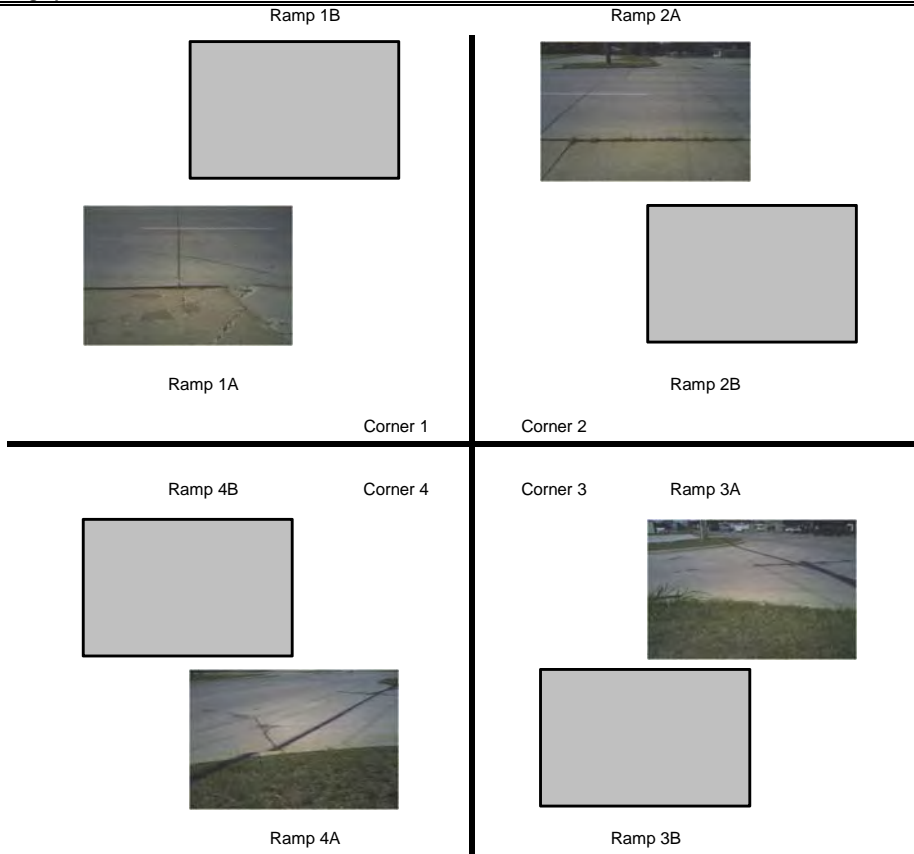
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lansing Pl and E 36th St N

GPS ID: 16005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,838.40
Engineering: (% +/-)	15%	\$ 3,497.83
Contingency: (% +/-)	20%	\$ 4,663.77
Estimated Project Cost:	\$	31,000.00

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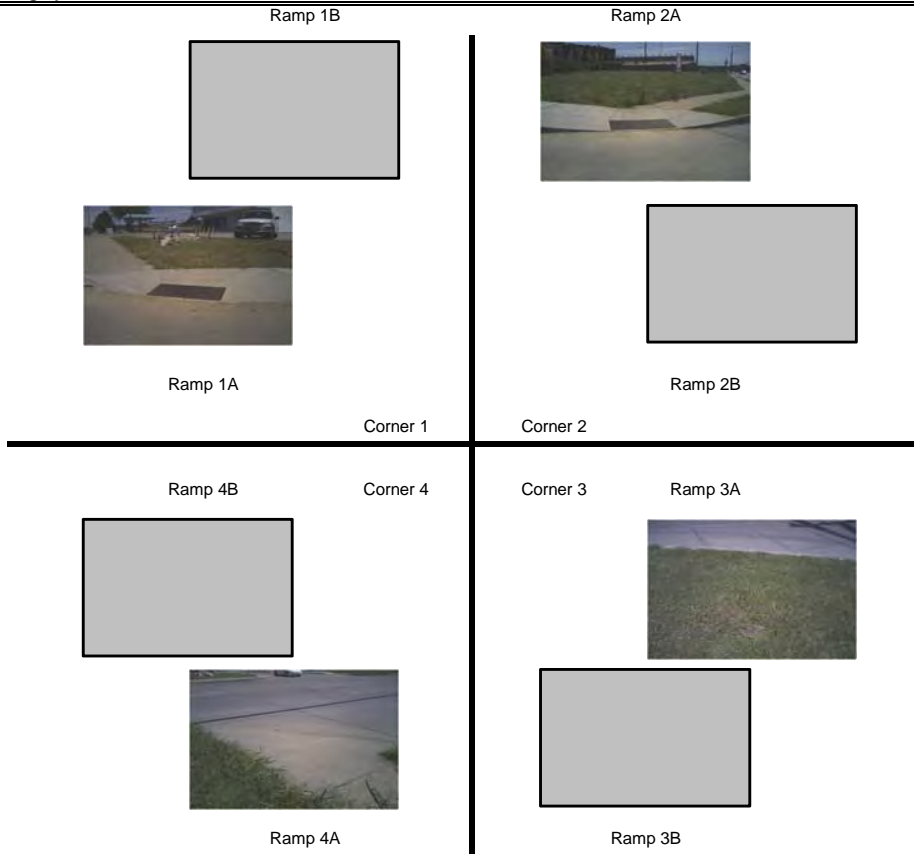
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%			X				X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		
No color contrast at base of ramp	X		X				X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Osage Prairie Trail Crossing at E 36th St N (east of N Lansing Pl)

GPS ID: 16006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

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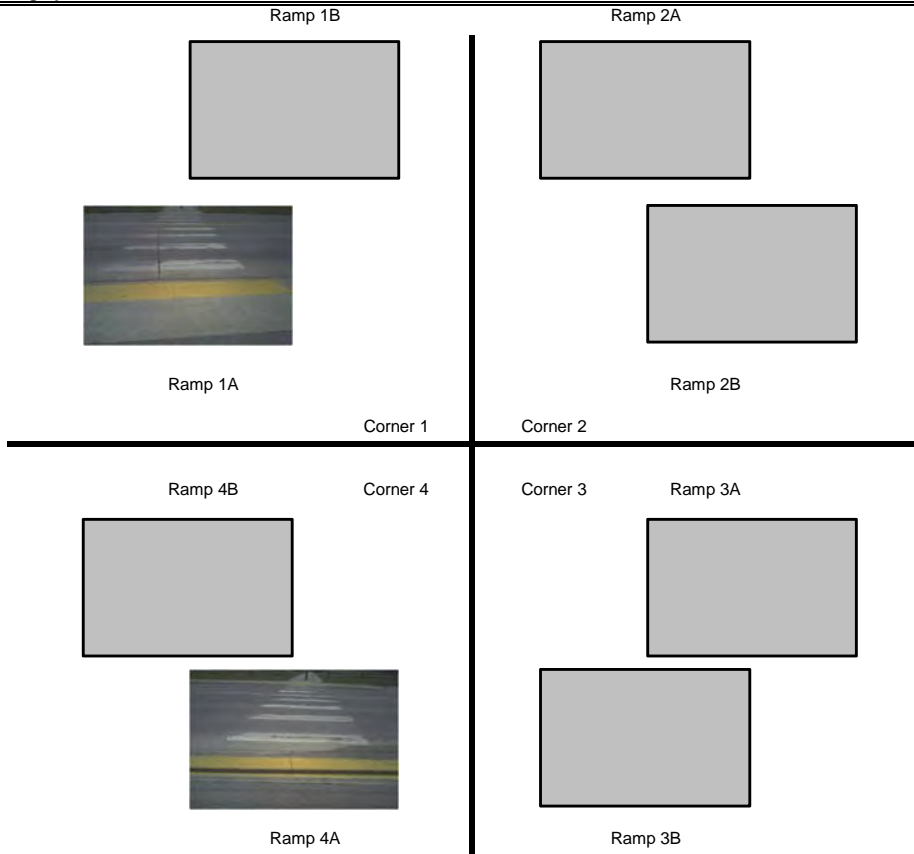
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	Remove and replace ramp
Ramp cross slope is greater than 2%								X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 41st St and S 34th West Ave

GPS ID: 17000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	270	LF	\$ 6.50	\$ 1,755.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	30,776.60
Engineering: (% +/-)	15%	\$ 4,810.03
Contingency: (% +/-)	20%	\$ 6,413.37
Estimated Project Cost:	\$	42,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	Worn	Worn	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X		X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 41st St and S 29th West Ave

GPS ID: 17001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,015.30
Engineering: (% +/-)	15%	\$ 1,279.16
Contingency: (% +/-)	20%	\$ 1,705.54
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		H		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 25th West Ave and W 41st St
 GPS ID: 17002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,595.20
Engineering: (% +/-)	15%	\$ 3,173.49
Contingency: (% +/-)	20%	\$ 4,231.31
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

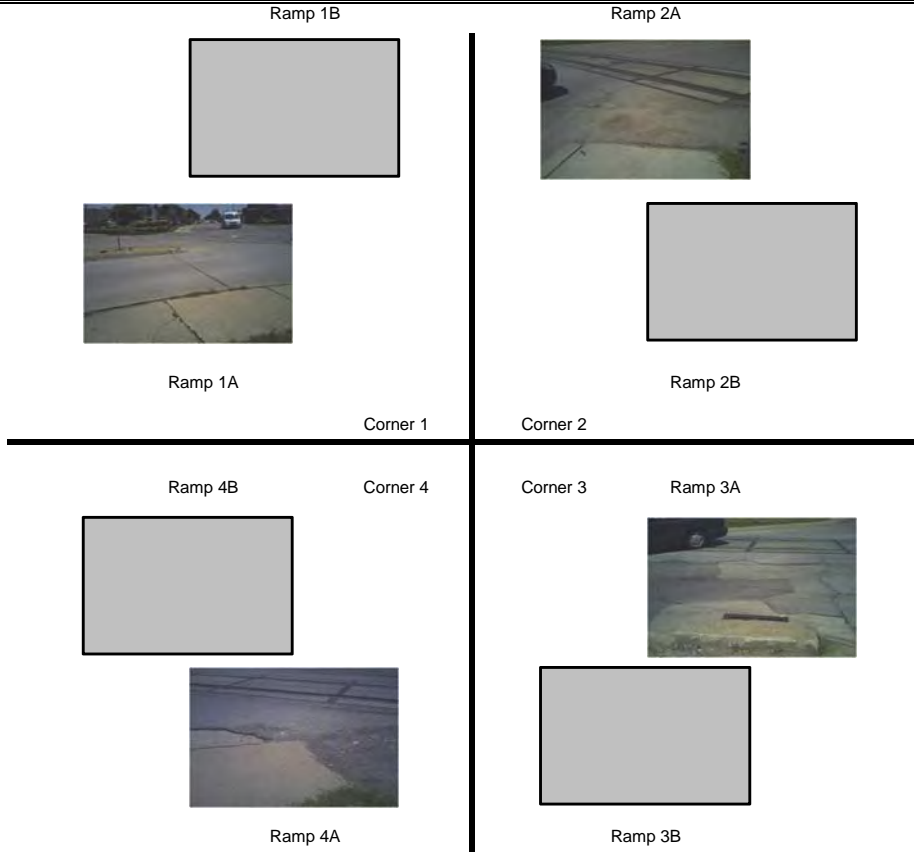
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 24th West Ave and W 41st St

GPS ID: 17003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,820.30
Engineering: (% +/-)	15%	\$ 1,791.30
Contingency: (% +/-)	20%	\$ 2,388.40
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

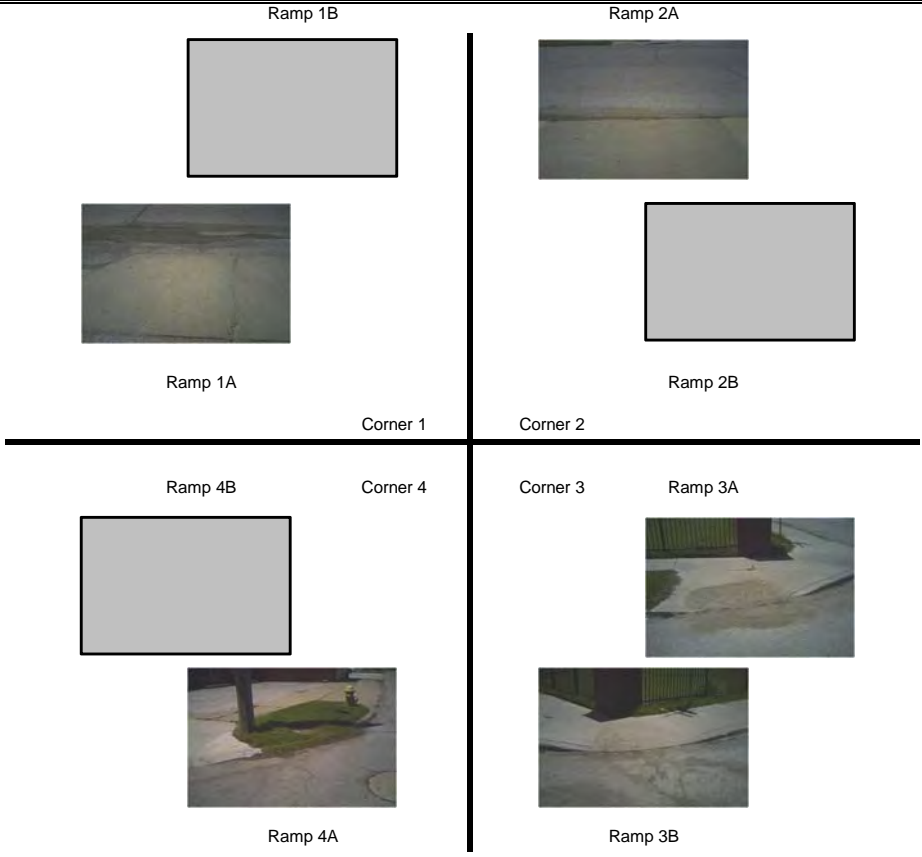
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		Install colored truncated domes
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons							X		
Pedestrian pushbutton diameter is not 2"							X		
Pedestrian pushbutton height is greater than 42"							X		
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							X		
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry							X		Remove ramp
Ramp Priority:							H H H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 23rd West Ave and W 41st St
 GPS ID: 17004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$ 19,146.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,937.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,916.23
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X					Install colored truncated domes
No color contrast at base of ramp	X		X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp	X		X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Zenith Ave and W 41st St

GPS ID: 17006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	58.34	SY	\$ 10.00	\$ 583.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	69.45	SY	\$ 80.00	\$ 5,556.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	30,997.60
Engineering: (% +/-)	15%	\$ 4,715.31
Contingency: (% +/-)	20%	\$ 6,287.09
Estimated Project Cost:	\$	42,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

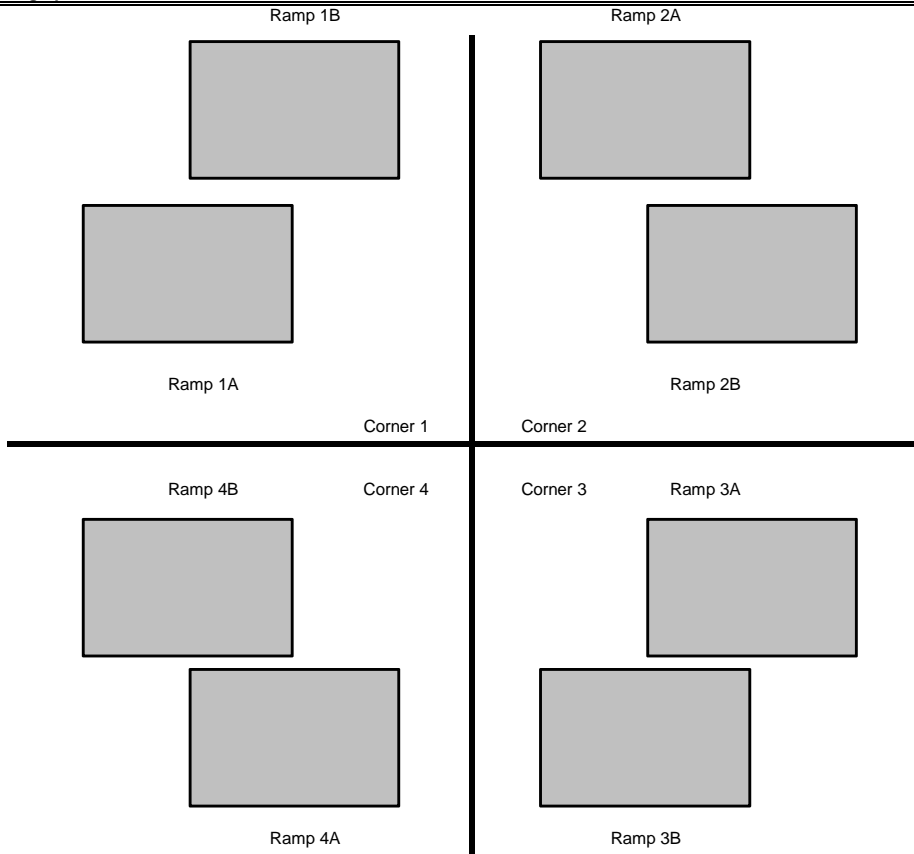
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	Yes	N/A	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk			X						Install handicap ramp
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X						X	
Ramp running slope is greater than 8.33%		X							
Ramp cross slope is greater than 2%	X	X			X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X	X			X		X	X	Install colored truncated domes
No color contrast at base of ramp	X	X			X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X		X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X	X			X		X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H		M		H	M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yukon Ave and W 41st St

GPS ID: 17007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,749.60
Engineering: (% +/-)	15%	\$ 3,535.89
Contingency: (% +/-)	20%	\$ 4,714.51
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

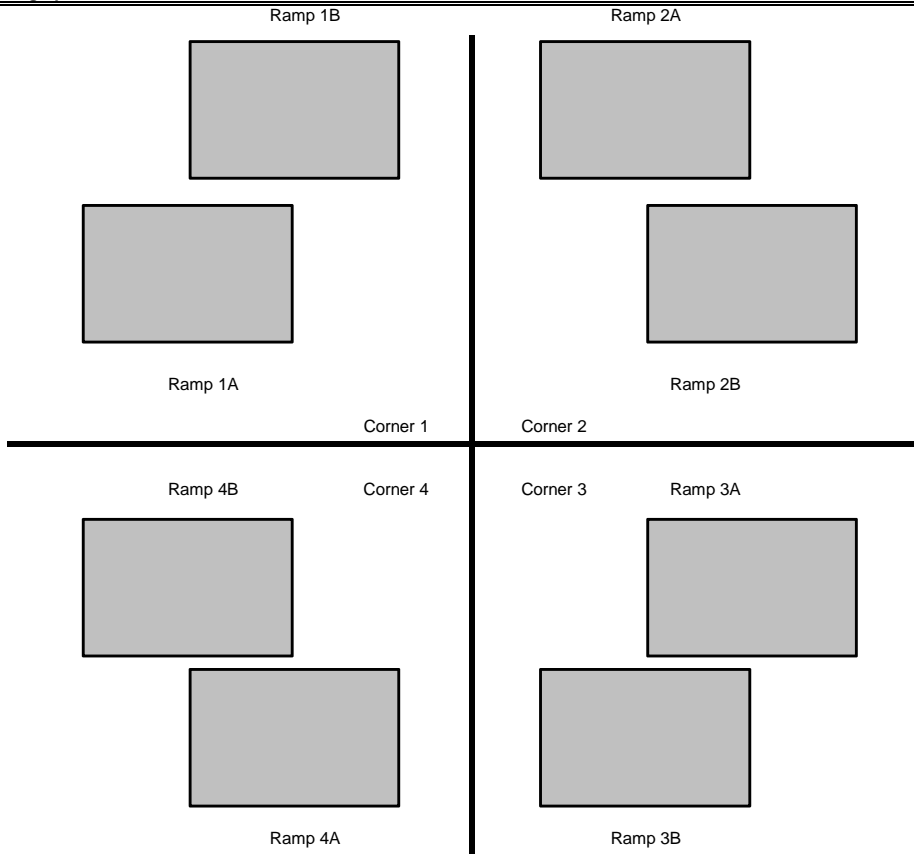
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk			X		X		X		
Ramp does not exist and is needed			X		X		X		
Flare cross slope is greater than 10%	X								Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Install landing area
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Waco Ave and W 41st St

GPS ID: 17008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,361.10
Engineering: (% +/-)	15%	\$ 4,130.96
Contingency: (% +/-)	20%	\$ 5,507.94
Estimated Project Cost:	\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

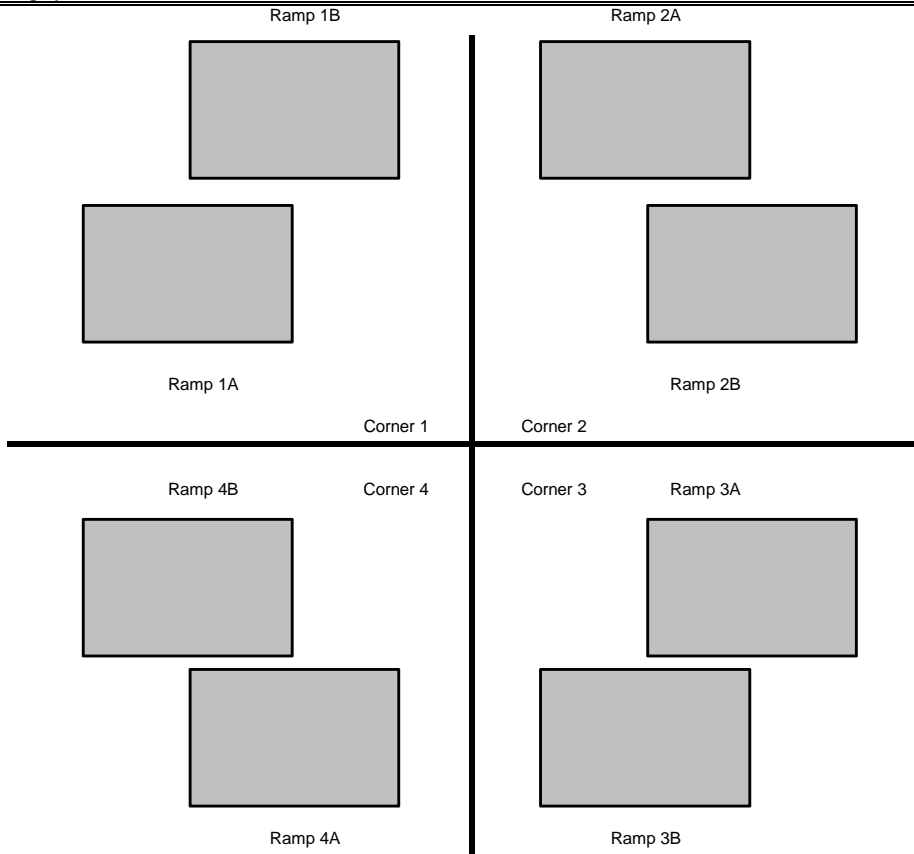
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X			X			
Ramp running slope is greater than 8.33%	X		X			X			
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X			X			Install colored truncated domes
No color contrast at base of ramp	X		X			X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X			X	X		Regrade roadway
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		H		H	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 41st St and US 75 SB Ramp

GPS ID: 17009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,595.20
Engineering: (% +/-)	15%	\$ 3,173.49
Contingency: (% +/-)	20%	\$ 4,231.31
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

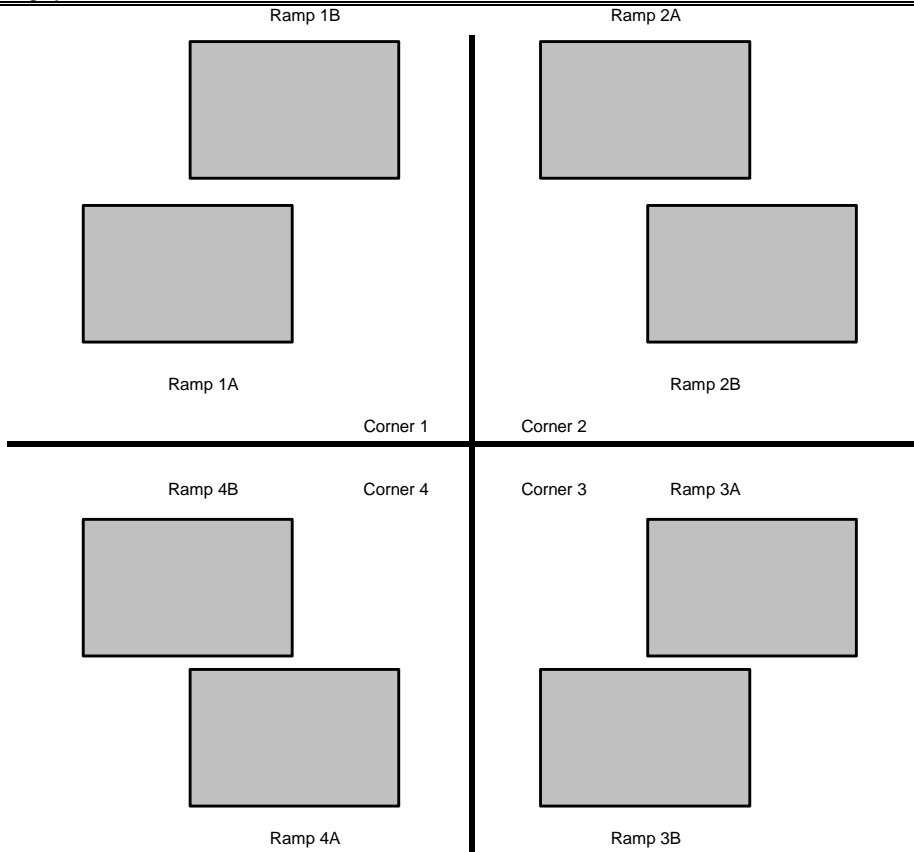
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 41st St and US 75 NB Ramp

GPS ID: 17010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,595.20
Engineering: (% +/-)	15%	\$ 1,887.77
Contingency: (% +/-)	20%	\$ 2,517.03
Estimated Project Cost:	\$	15,000.00

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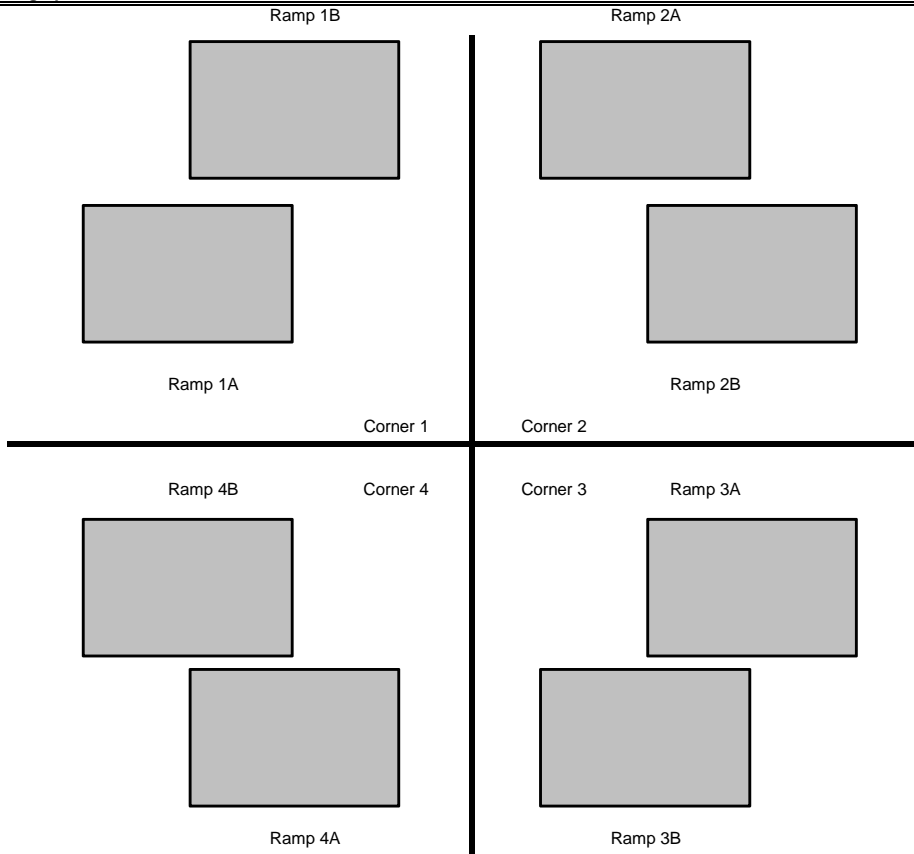
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Cincinnati Ave and E 41st St

GPS ID: 17011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,424.00
Engineering: (% +/-)	15%	\$ 1,961.14
Contingency: (% +/-)	20%	\$ 2,614.86
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

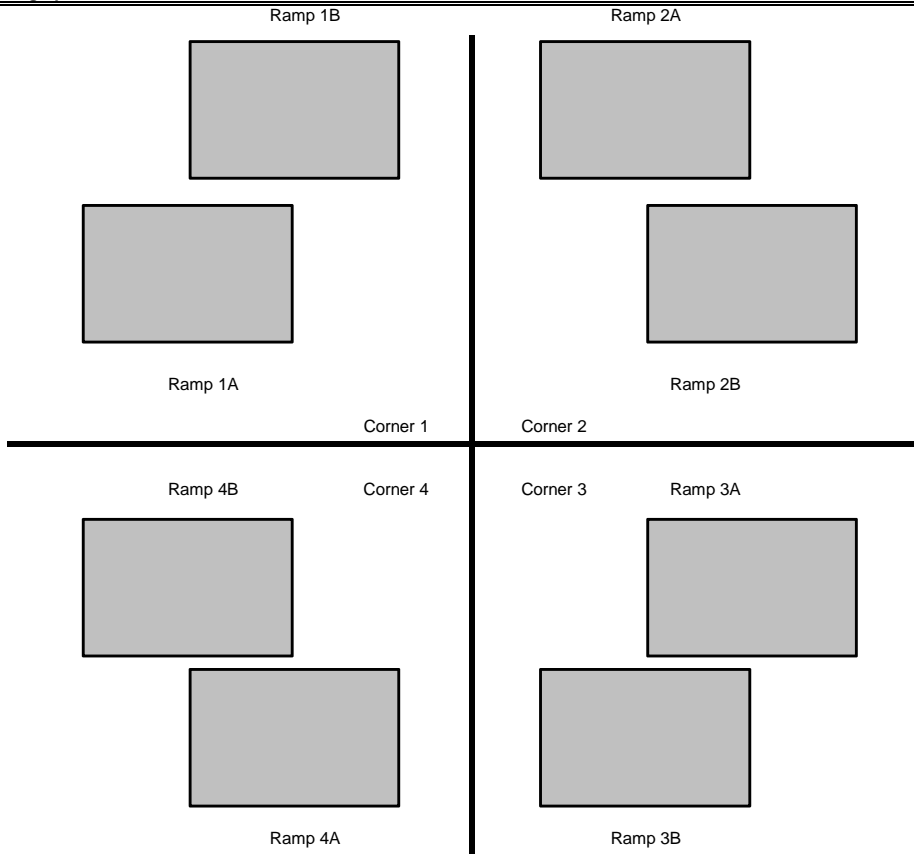
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Detroit Ave

GPS ID: 17012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,229.00
Engineering: (% +/-)	15%	\$ 2,901.86
Contingency: (% +/-)	20%	\$ 3,869.14
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

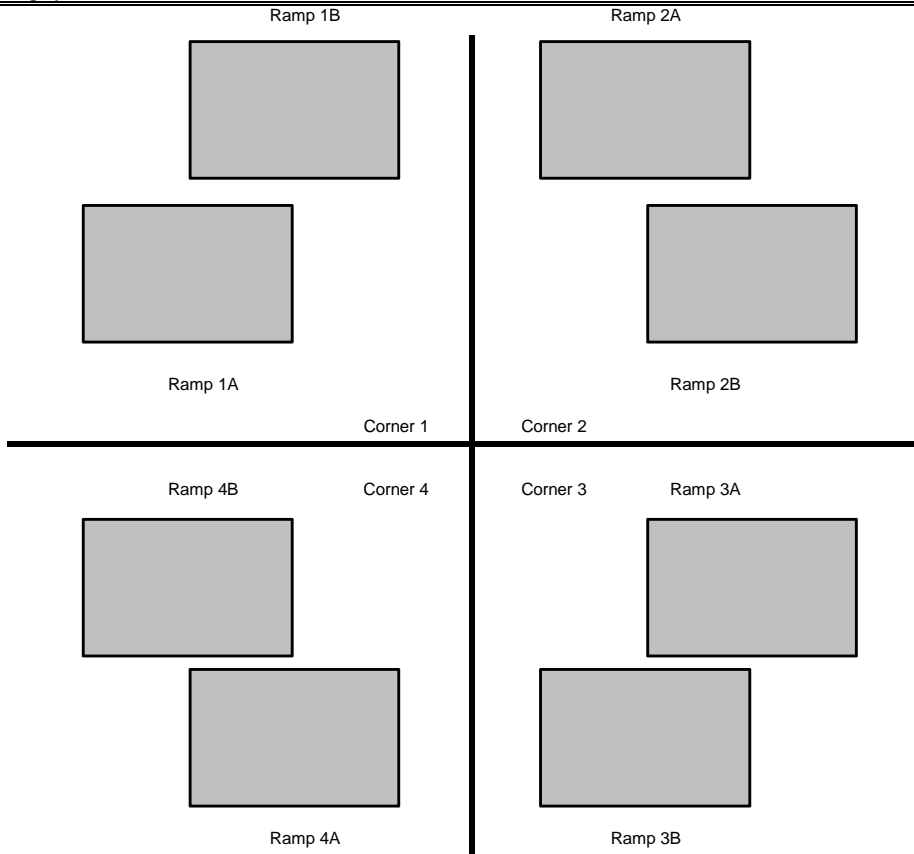
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Madison Ave

GPS ID: 17013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

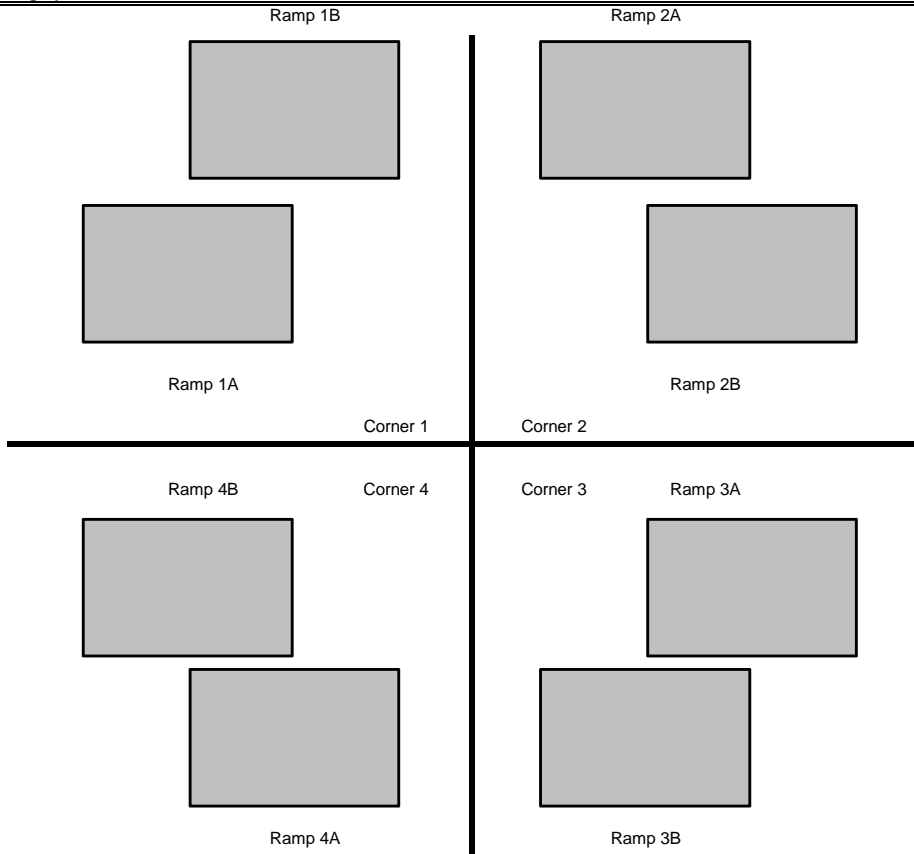
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Madison Pl and E 41st St

GPS ID: 17014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,424.00
Engineering: (% +/-)	15%	\$ 1,961.14
Contingency: (% +/-)	20%	\$ 2,614.86
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

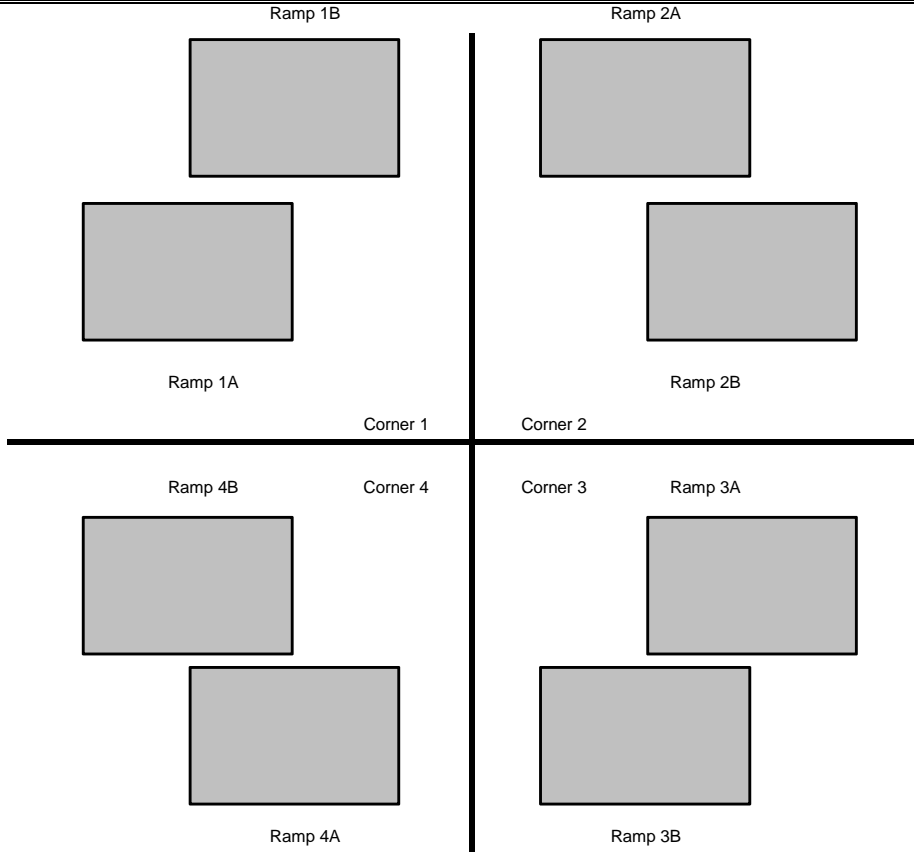
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Norfolk Ave and E 41st St

GPS ID: 17015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,424.00
Engineering: (% +/-)	15%	\$ 1,961.14
Contingency: (% +/-)	20%	\$ 2,614.86
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

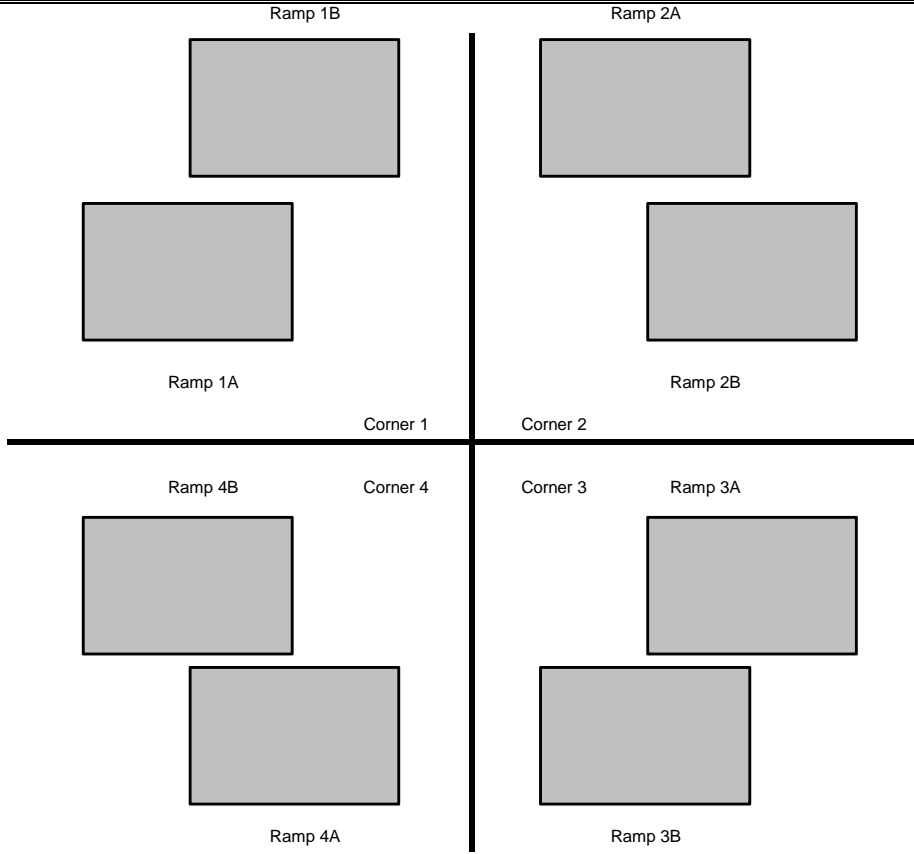
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Owasso Ave

GPS ID: 17016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

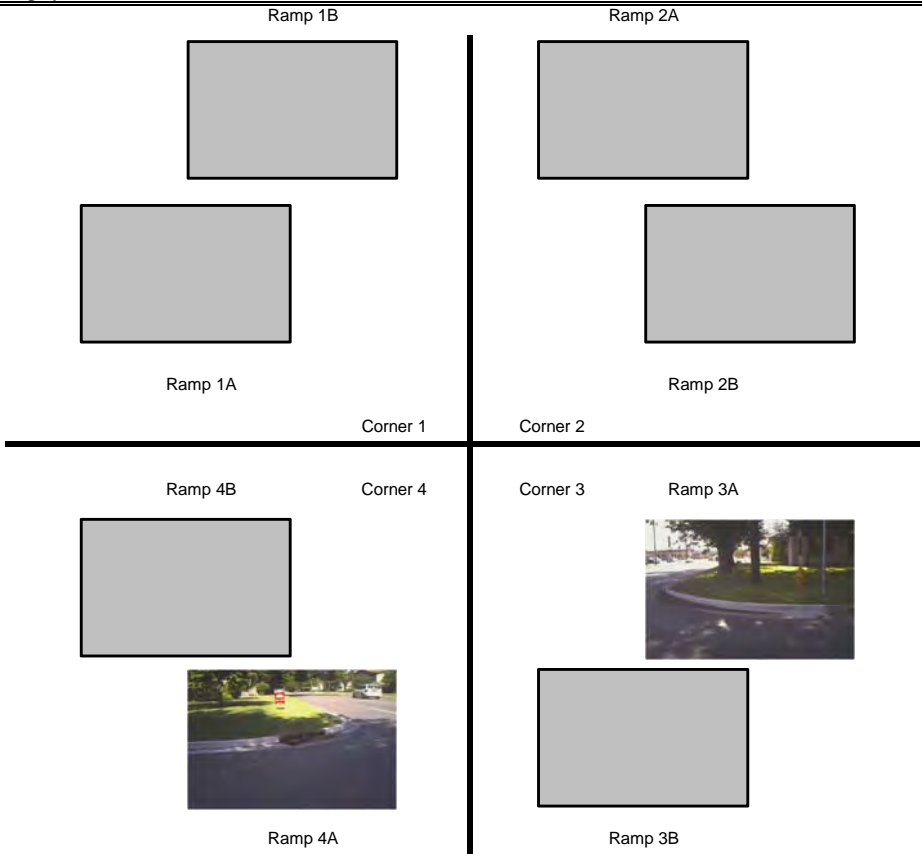
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Quincy Ave and E 41st St

GPS ID: 17017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,159.80
Engineering: (% +/-)	15%	\$ 788.66
Contingency: (% +/-)	20%	\$ 1,051.54
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

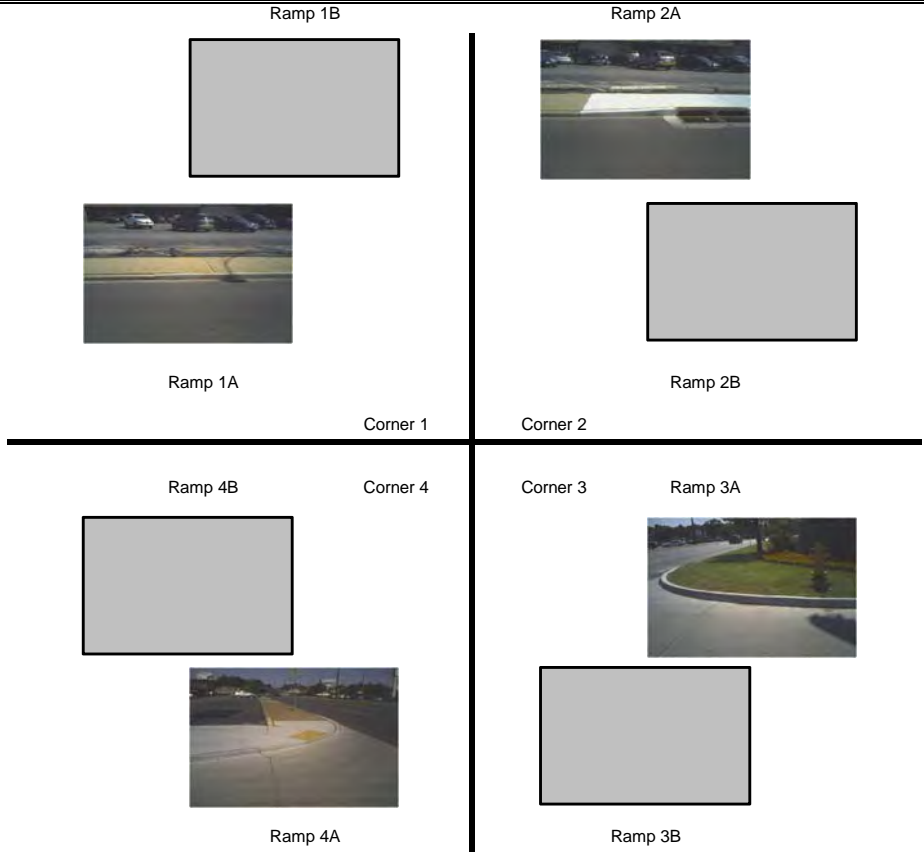
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	-	M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Rockford Ave

GPS ID: 17018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

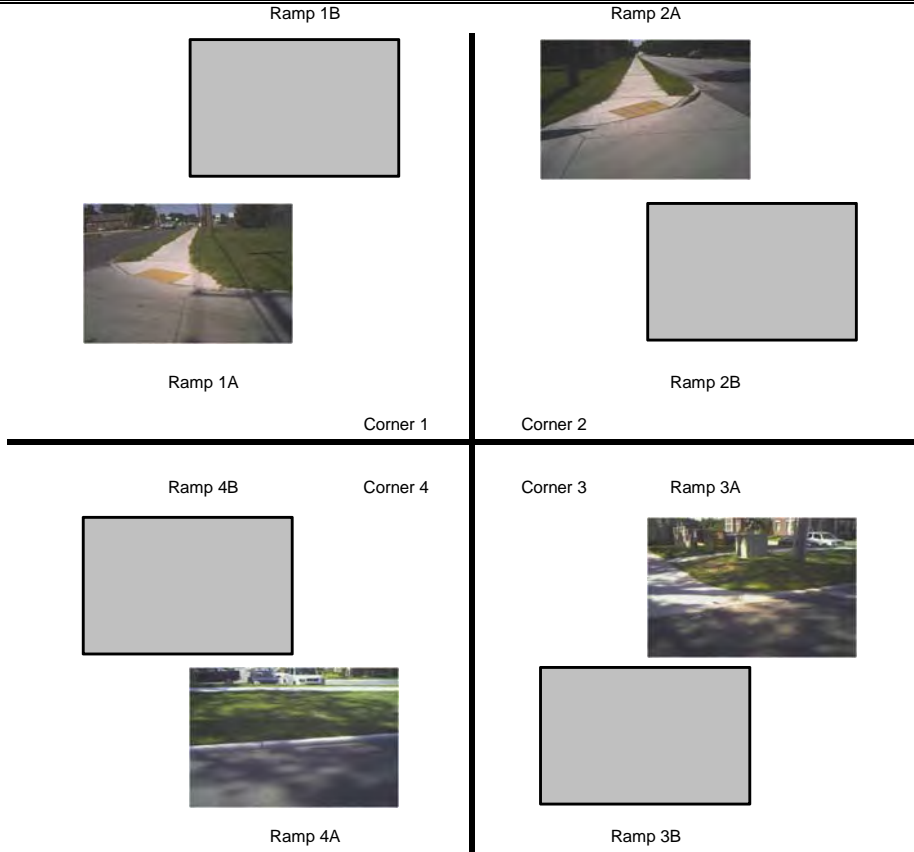
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S St Louis Ave and E 41st St

GPS ID: 17019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,424.00
Engineering: (% +/-)	15%	\$ 2,389.71
Contingency: (% +/-)	20%	\$ 3,186.29
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

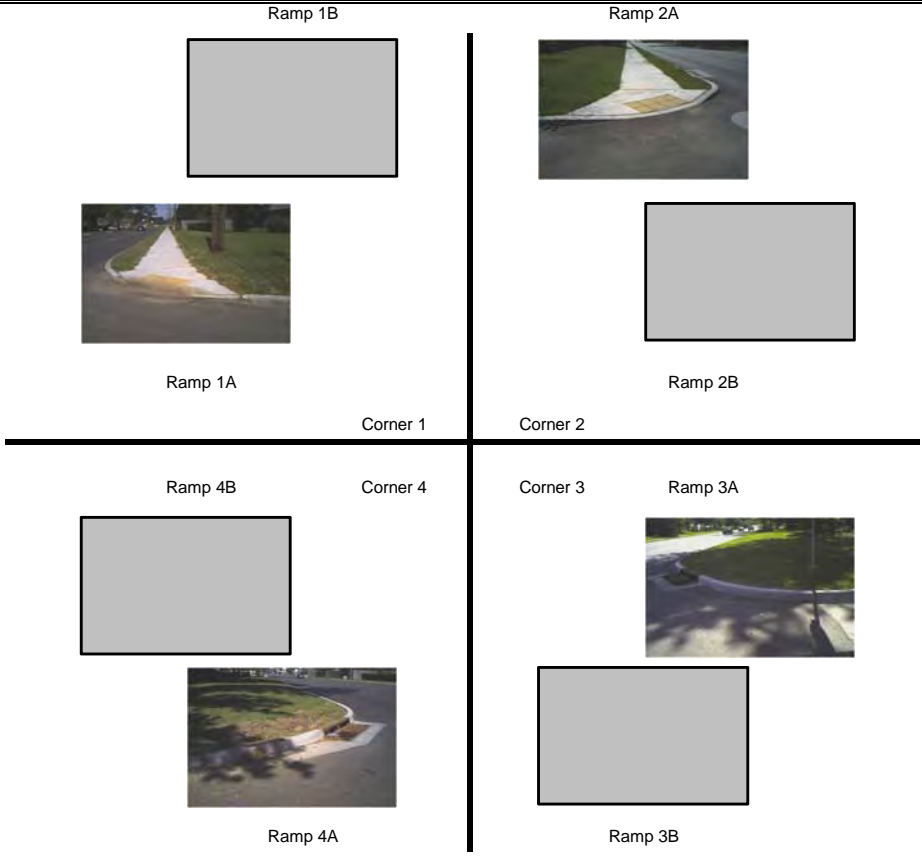
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Trenton Ave

GPS ID: 17020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,128.20
Engineering: (% +/-)	15%	\$ 802.20
Contingency: (% +/-)	20%	\$ 1,069.60
Estimated Project Cost:	\$	5,000.00

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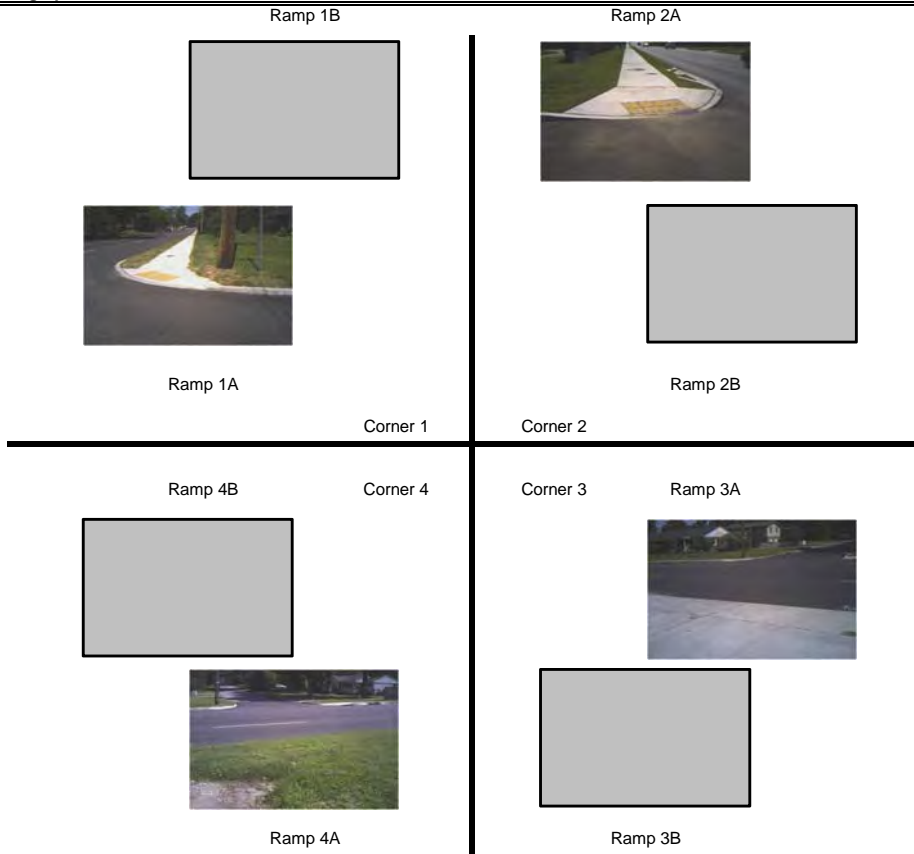
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C	H							



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Troost Pl and E 41st St

GPS ID: 17021a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

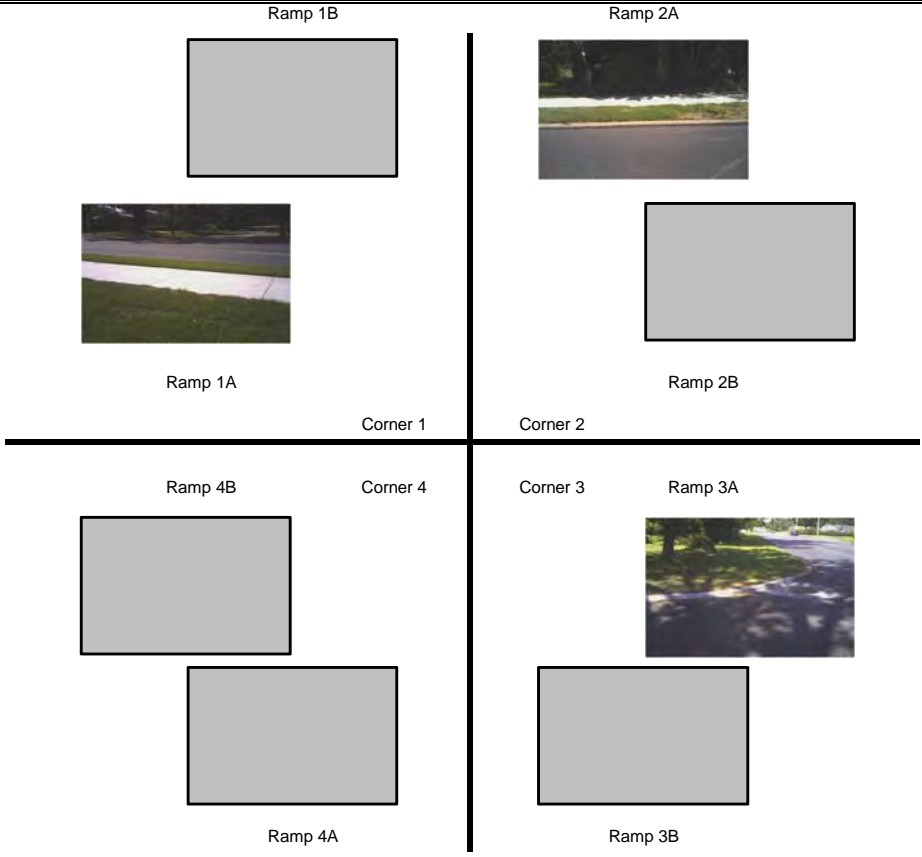
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:					H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Troost Ave

GPS ID: 17021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

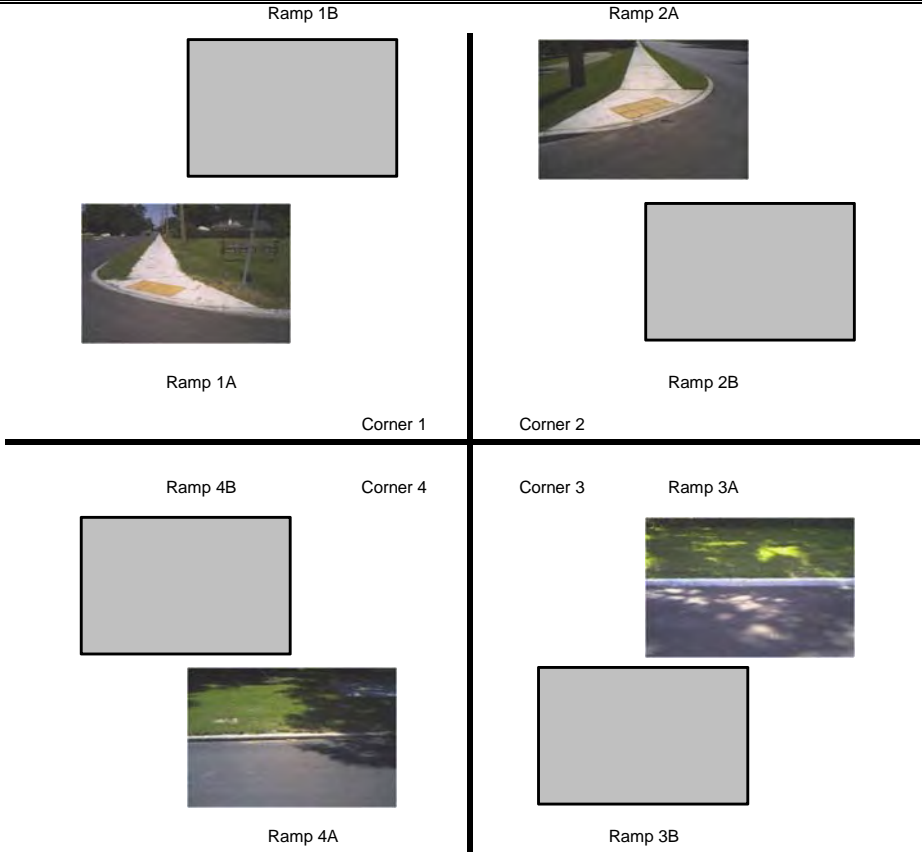
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Victor Ave and E 41st St

GPS ID: 17022a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

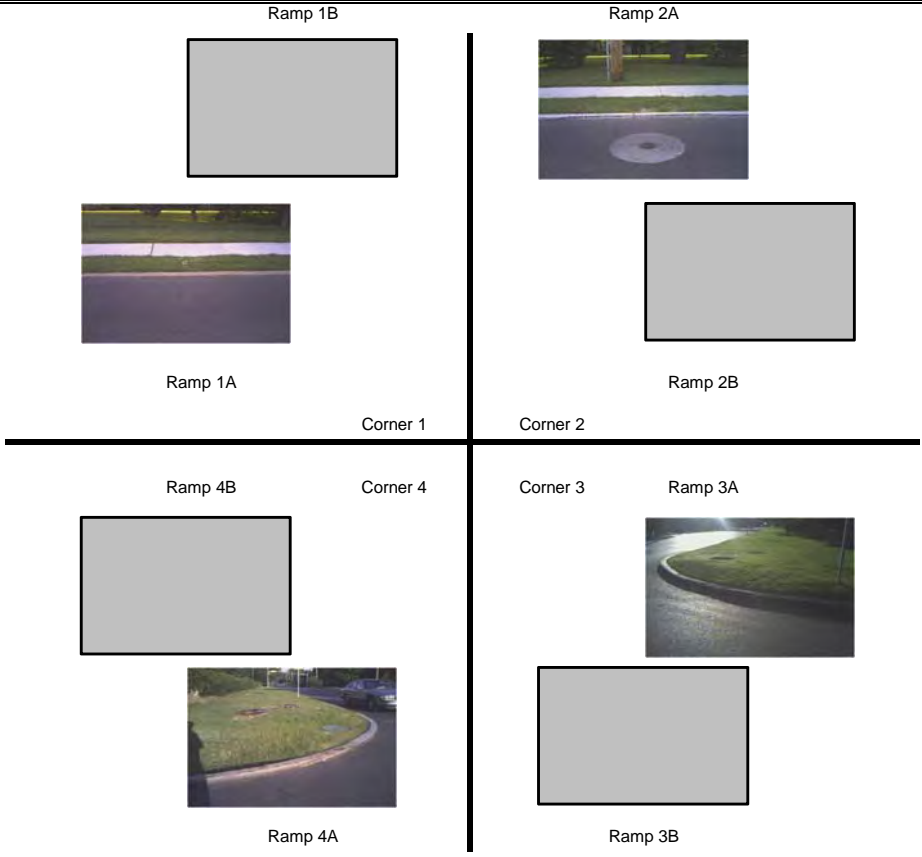
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Victor Ct

GPS ID: 17022b

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

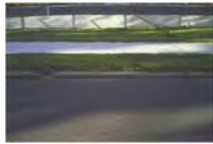
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Wheeling Ave and E 41st St

GPS ID: 17022c

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

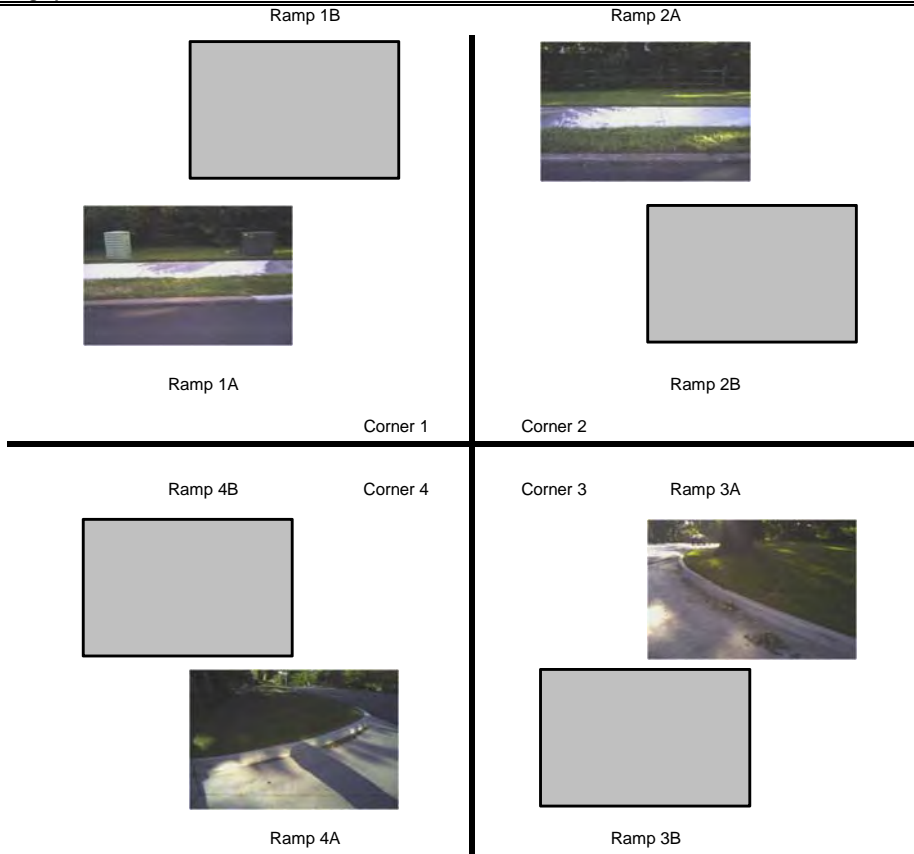
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Xanthus Ave

GPS ID: 17022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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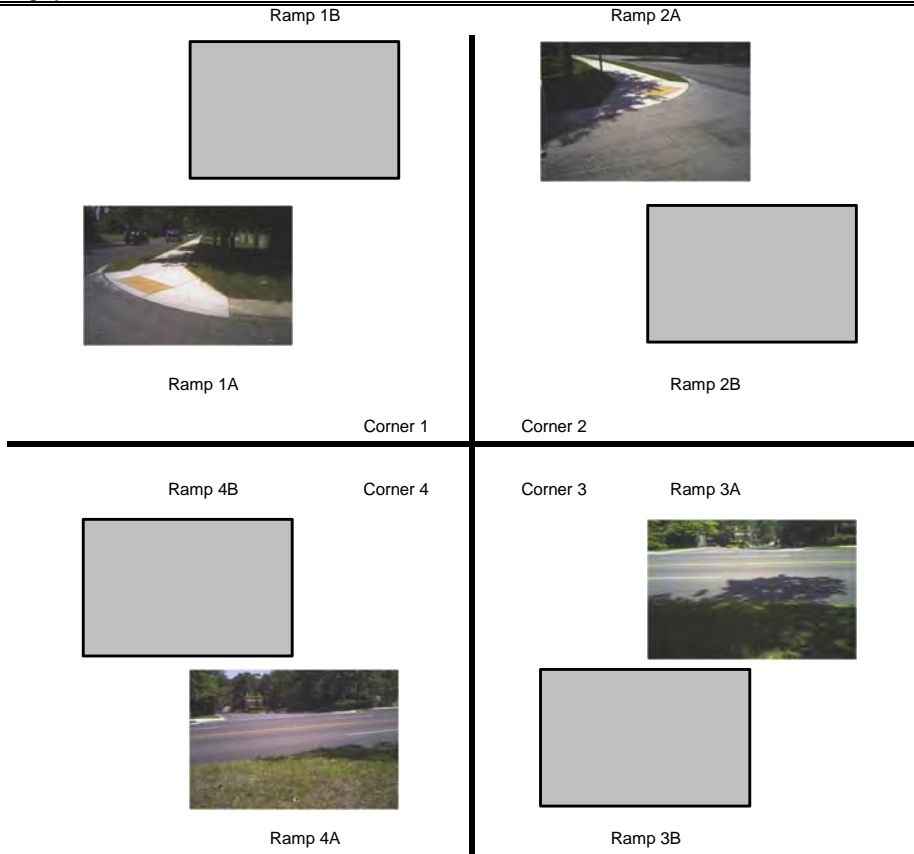
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yorktown Ave and E 41st St

GPS ID: 17023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

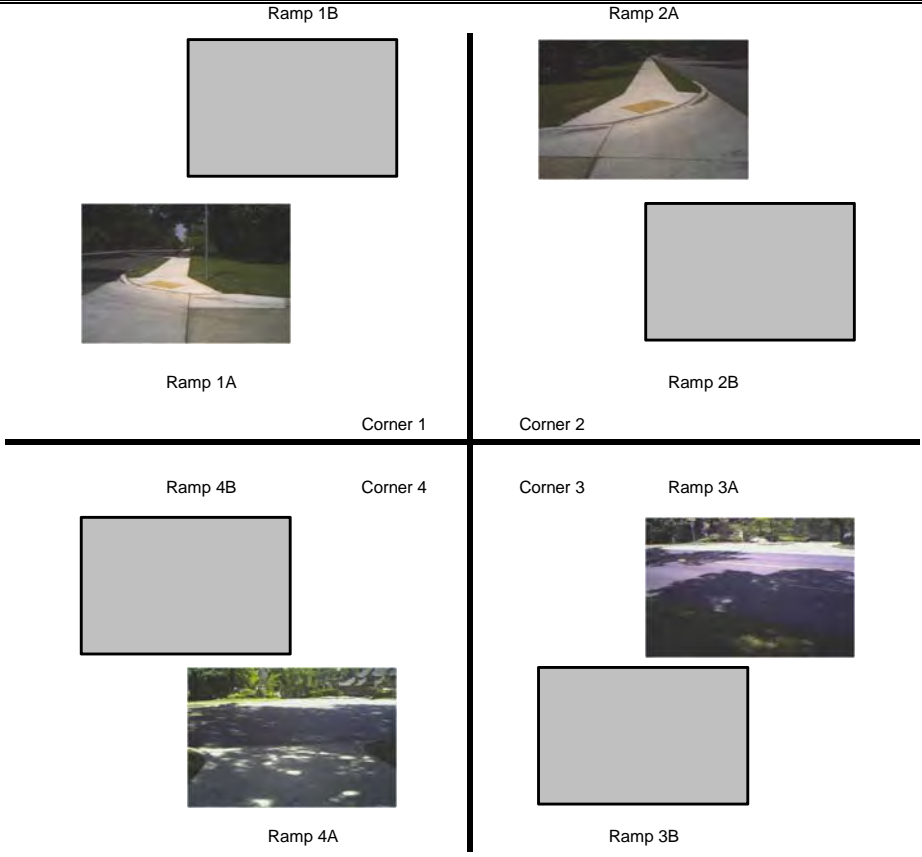
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yorktown Pl and E 41st St

GPS ID: 17023B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	44	LF	\$ 6.50	\$ 286.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,478.00
Engineering: (% +/-)	15%	\$ 1,080.86
Contingency: (% +/-)	20%	\$ 1,441.14
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

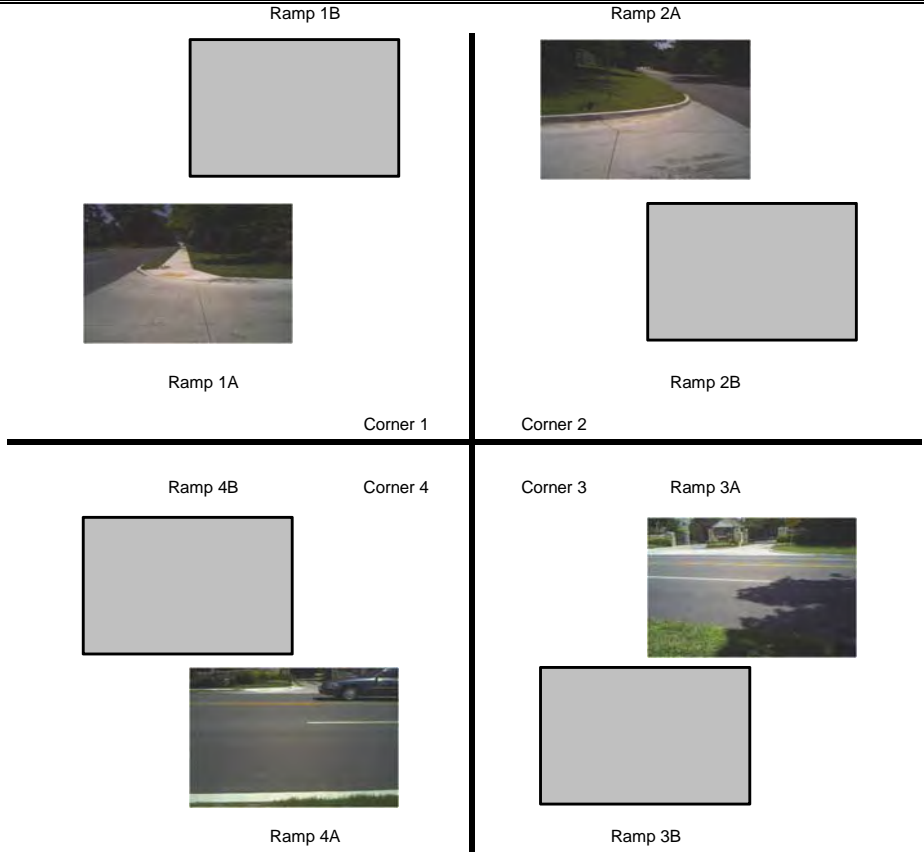
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	-	-	-	-	-	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Atlanta Ave

GPS ID: 17024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

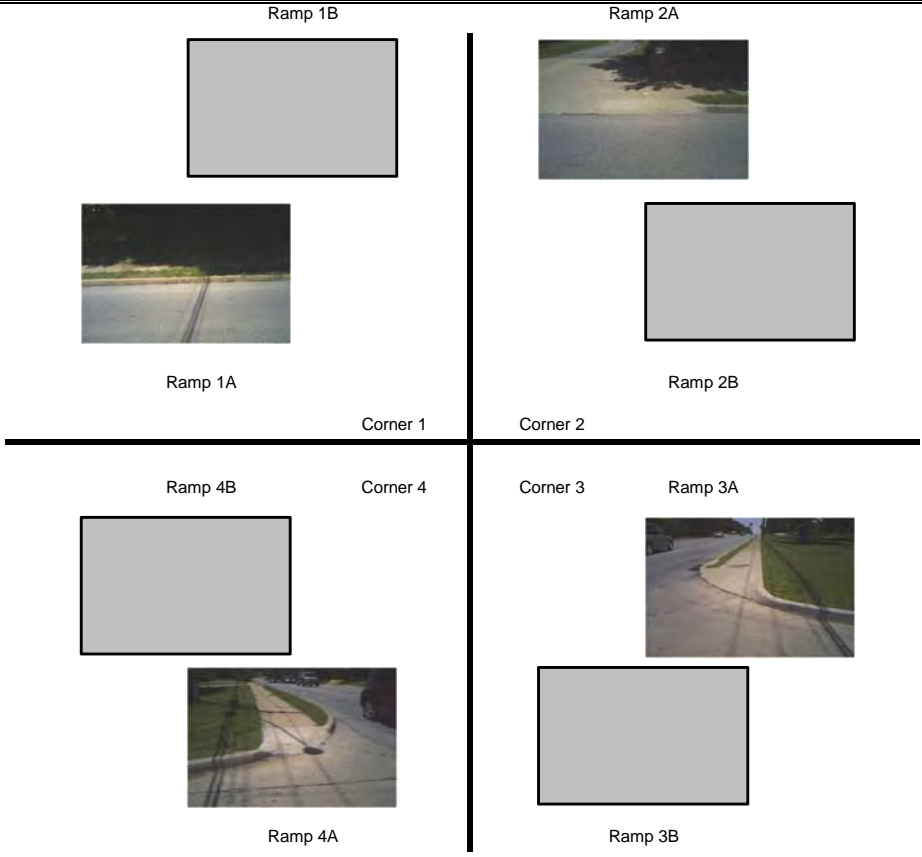
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Atlanta Pl

GPS ID: 17025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

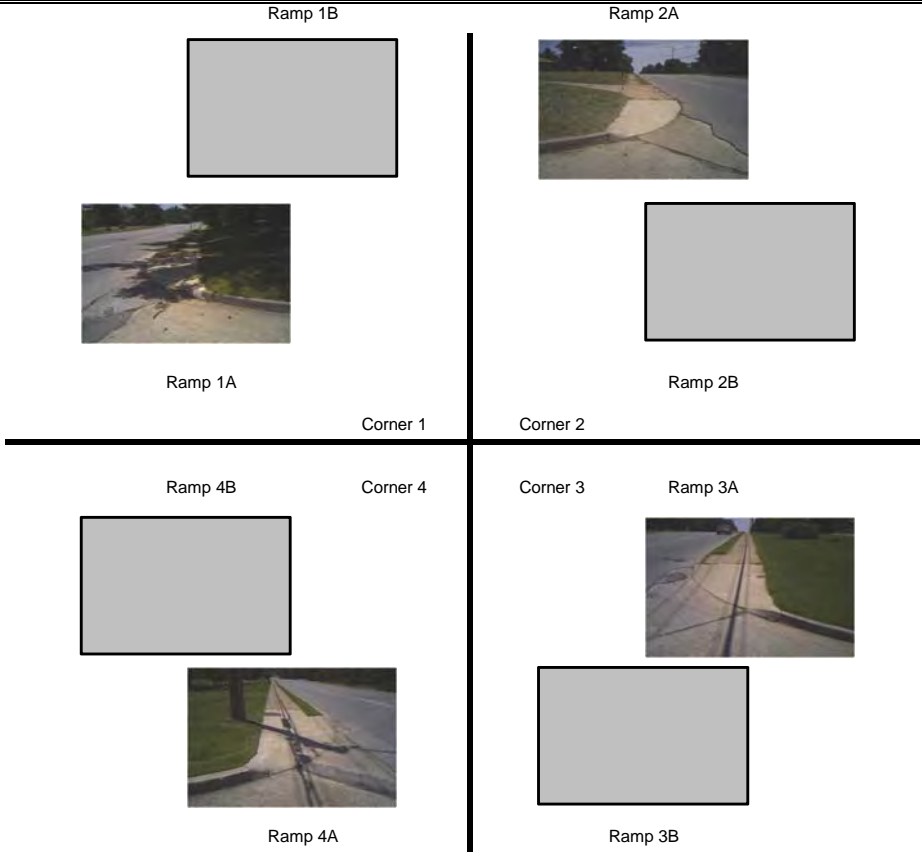
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk									Remove and replace ramp	
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X		X		X		X			
Ramp running slope is greater than 8.33%	X		X		X		X			
Ramp cross slope is greater than 2%	X		X		X		X			
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp	X		X		X		X			Install colored truncated domes
No color contrast at base of ramp										
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area	
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway	
Ponding occurs at base of ramp										
Ramp not needed due to existing geometry										
Ramp Priority:	H		H		H		H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Birmingham Ave and E 41st St

GPS ID: 17026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,569.83
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"								X	Regrade roadway
Ponding occurs at base of ramp	X	X	X	X	X	X	X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Birmingham Pl and E 41st St
 GPS ID: 17027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	25,862.80
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 3,915.94
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 5,221.26
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	35,000.00

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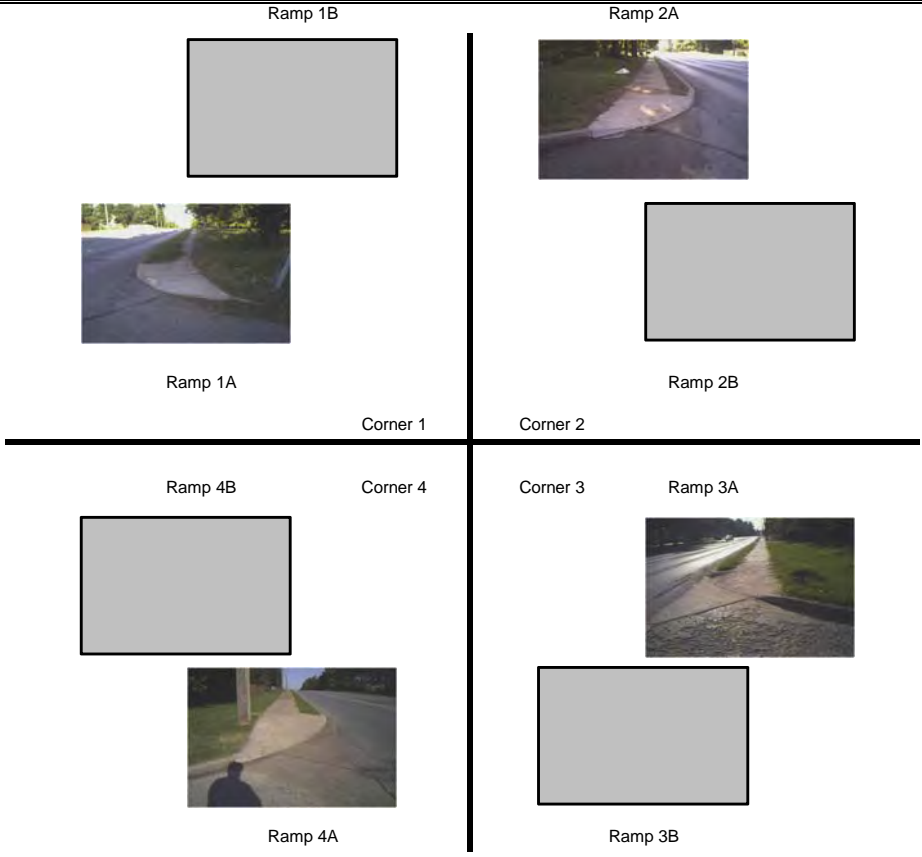
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X		X				X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X				X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Columbia Ave and E 41st St

GPS ID: 17028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,866.40
Engineering: (% +/-)	15%	\$ 2,200.11
Contingency: (% +/-)	20%	\$ 2,933.49
Estimated Project Cost:	\$	17,000.00

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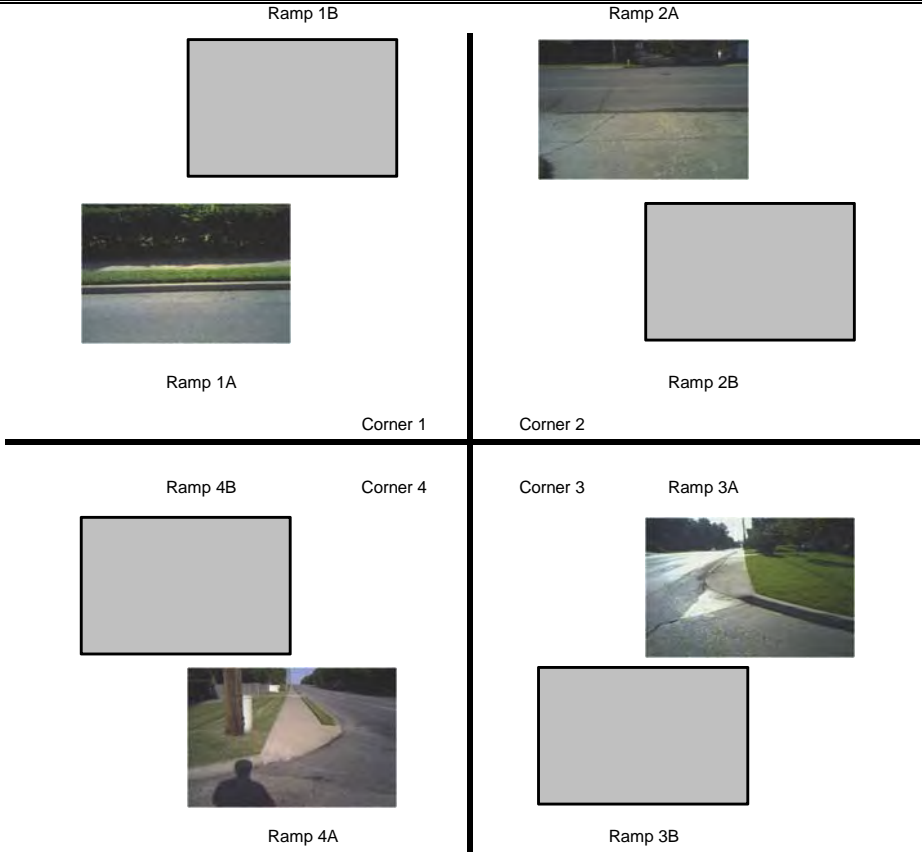
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Columbia Pl

GPS ID: 17029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Delaware Ave

GPS ID: 17030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

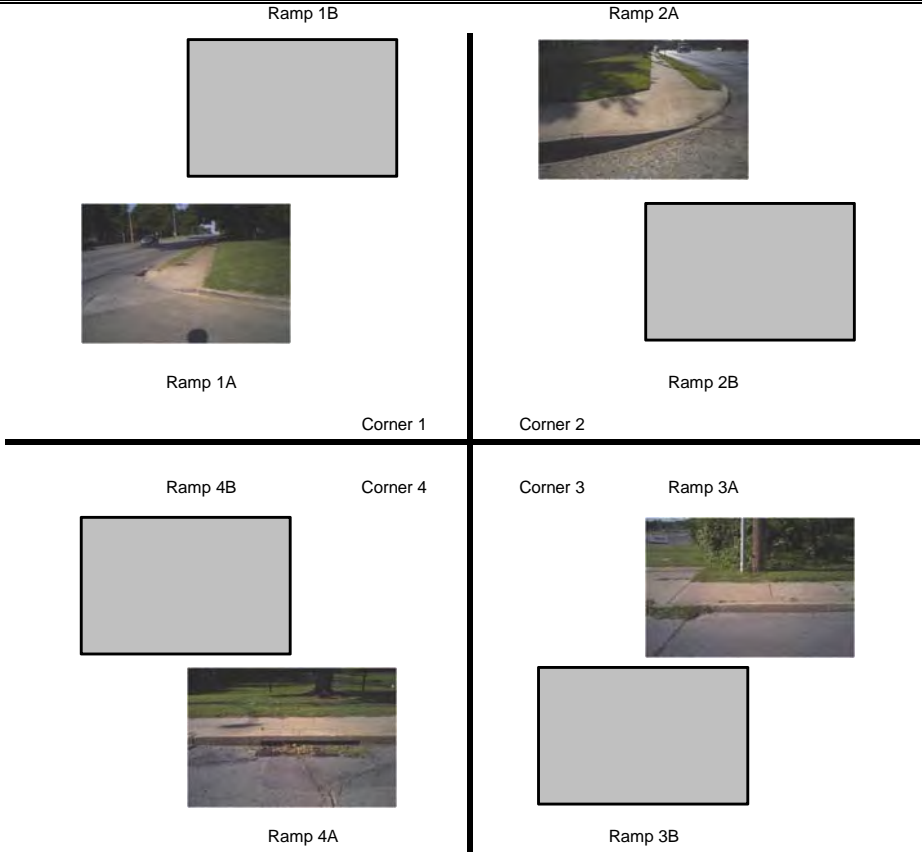
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Delaware Pl

GPS ID: 17031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

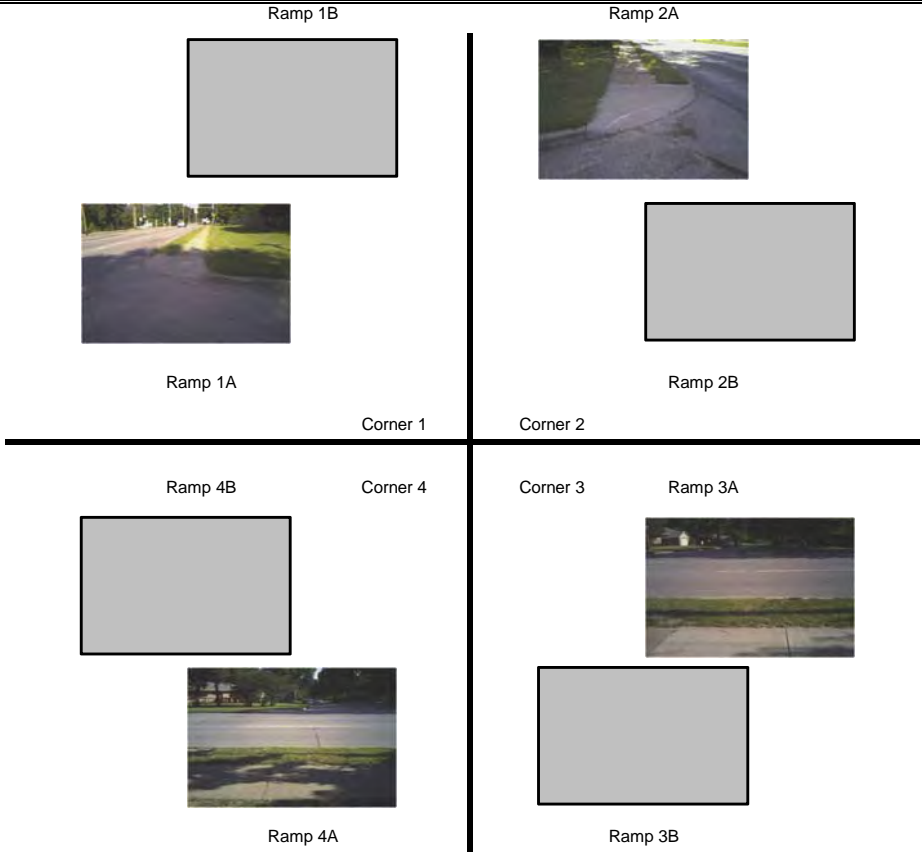
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Evanston Ave

GPS ID: 17032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Florence Ave and E 41st St

GPS ID: 17033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,866.40
Engineering: (% +/-)	15%	\$ 1,771.54
Contingency: (% +/-)	20%	\$ 2,362.06
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

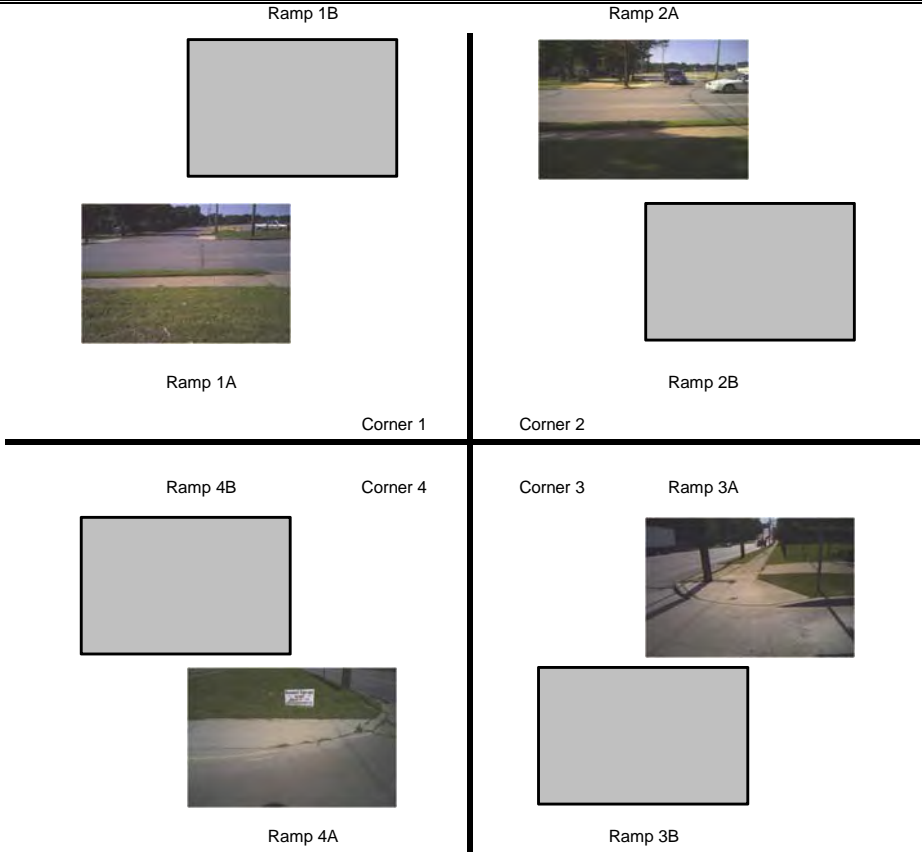
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	-	-	-	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Florence PI (west)

GPS ID: 17035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,732.80
Engineering: (% +/-)	15%	\$ 3,114.51
Contingency: (% +/-)	20%	\$ 4,152.69
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

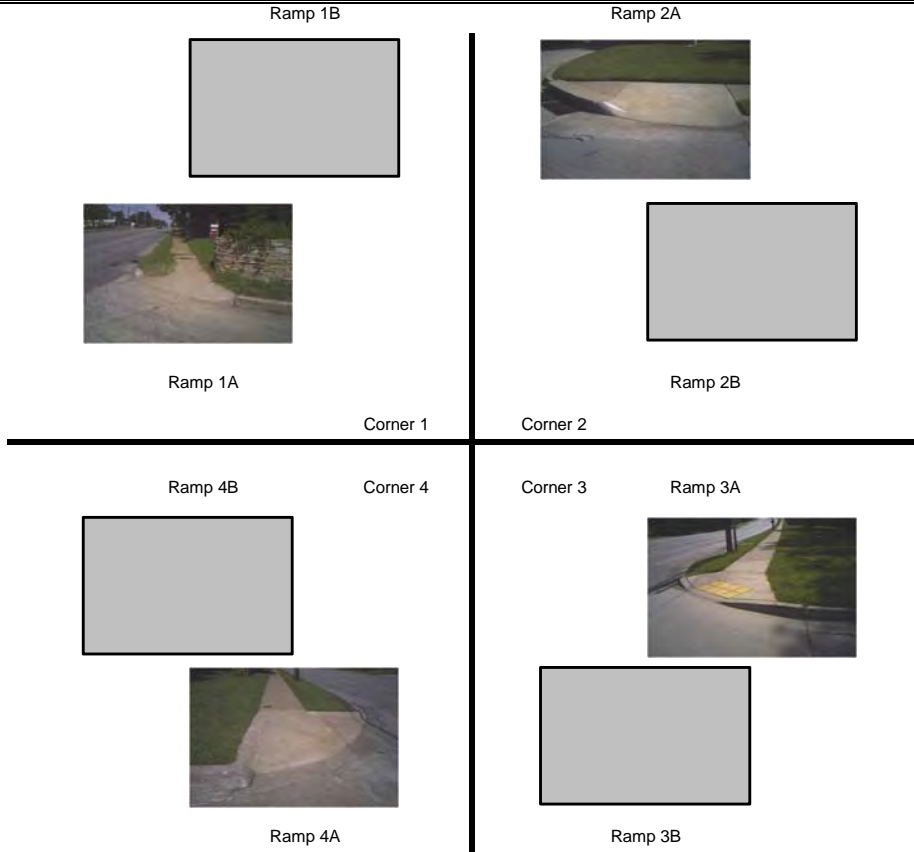
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Florence PI (east)

GPS ID: 17036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,229.00
Engineering: (% +/-)	15%	\$ 3,759.00
Contingency: (% +/-)	20%	\$ 5,012.00
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

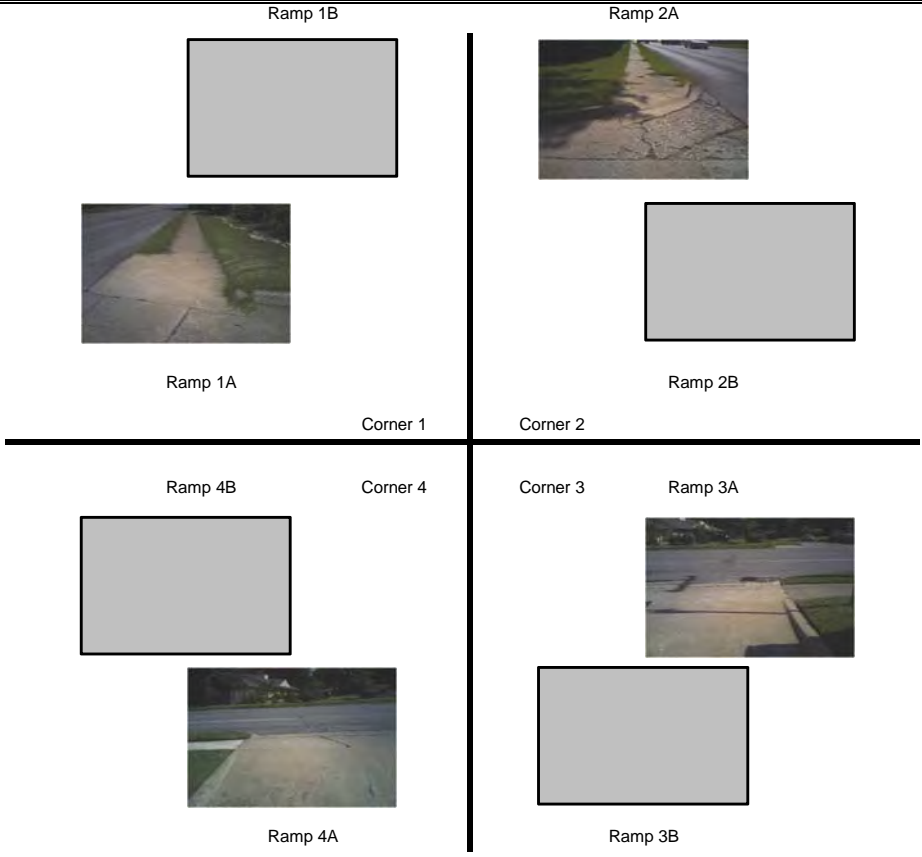
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Jamestown Ave

GPS ID: 17037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	-	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Louisville Ave

GPS ID: 17038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									Install landing area
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Marion Ave

GPS ID: 17039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

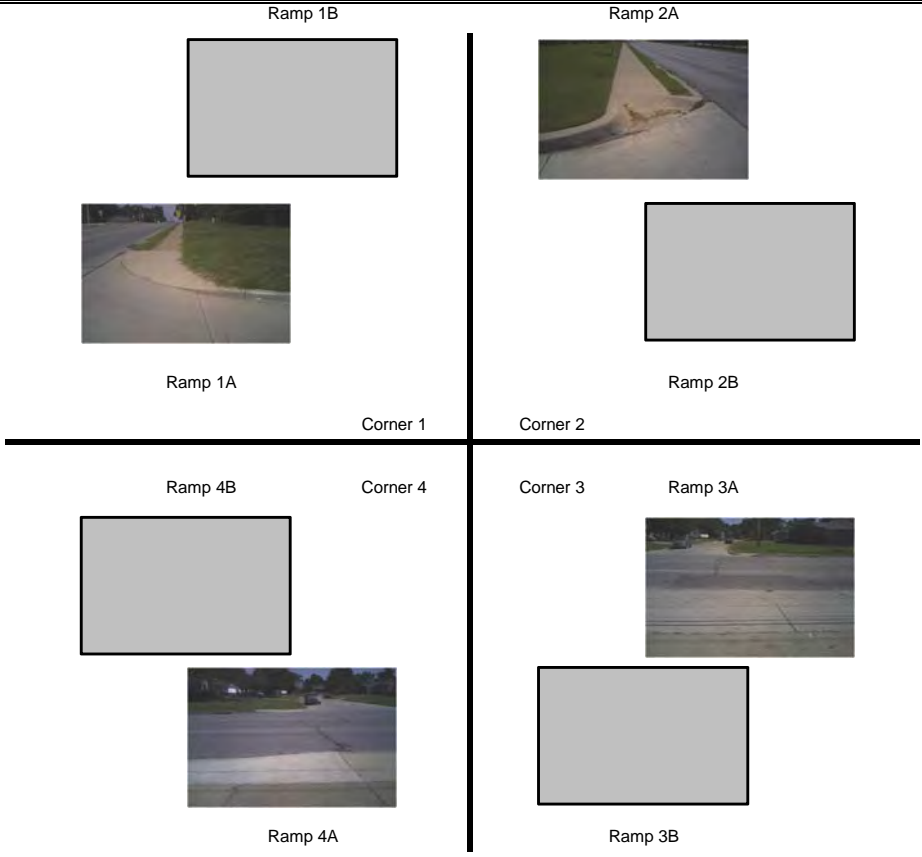
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S New Haven Ave and E 41st St

GPS ID: 17040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,569.83
Estimated Project Cost:	\$	36,000.00

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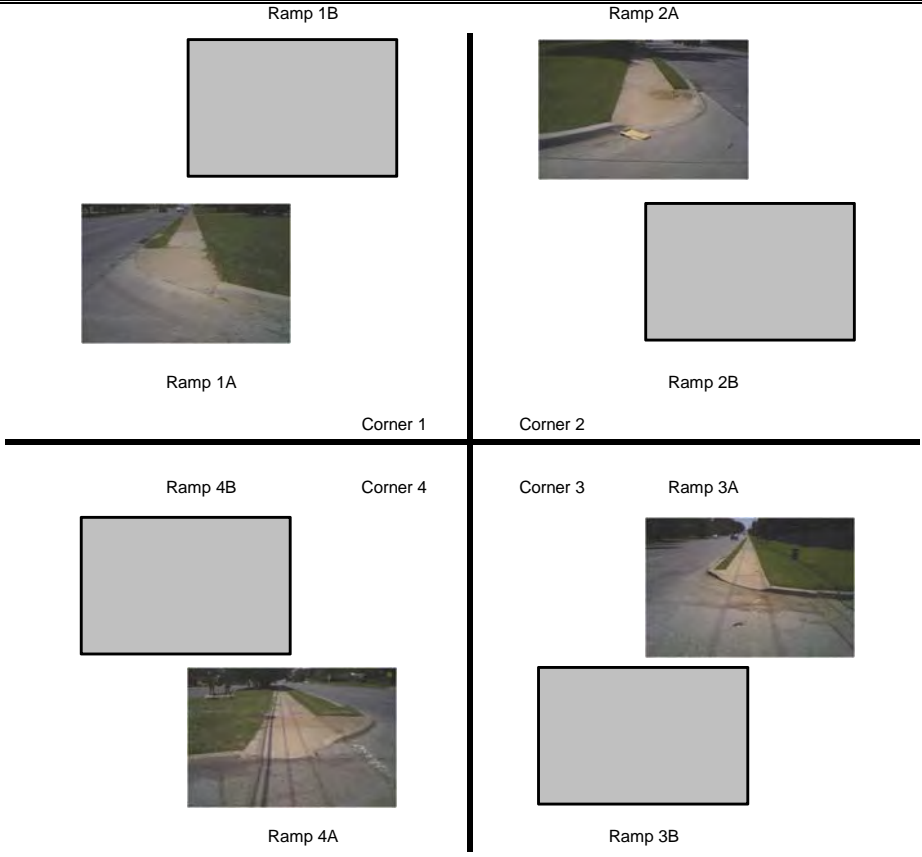
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Oswego Ave

GPS ID: 17041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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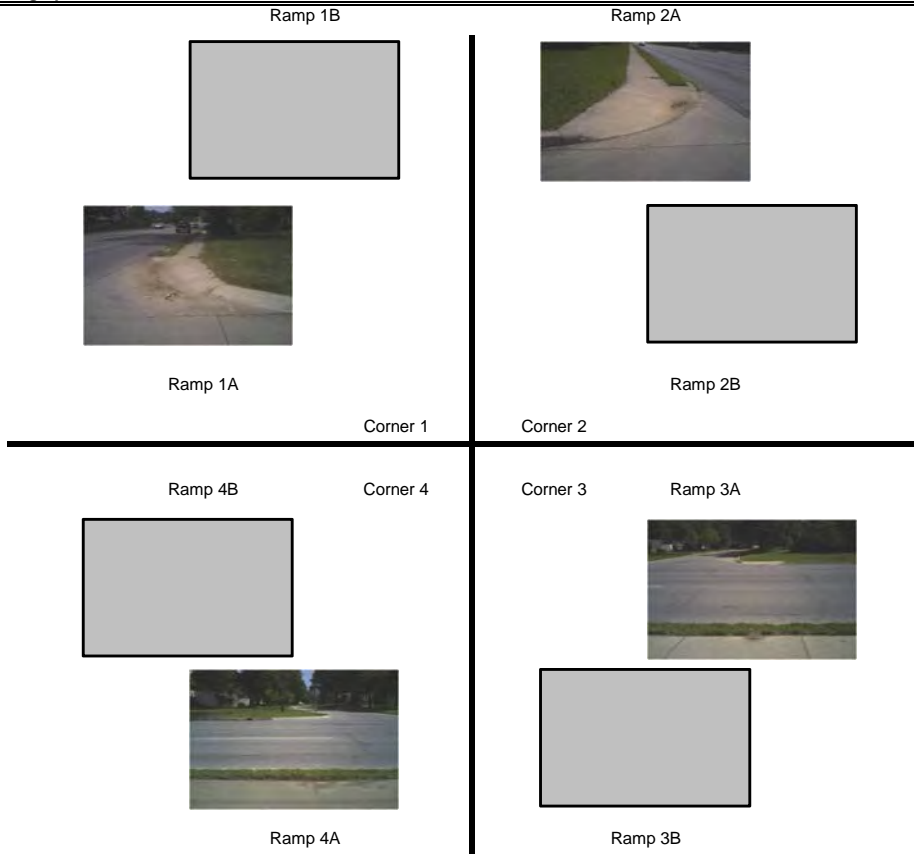
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S New Haven Pl and E 41st St

GPS ID: 17042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

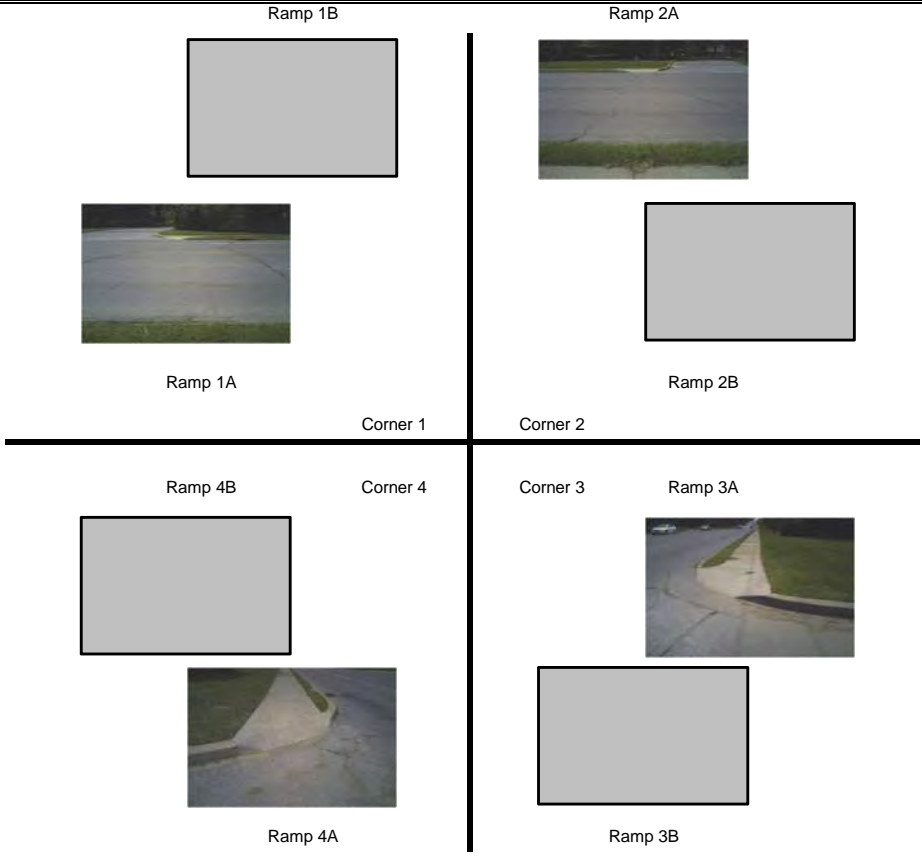
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"				X	X				
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Pittsburg Ave (north)

GPS ID: 17043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Pittsburg Ave (south)

GPS ID: 17044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,669.83
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

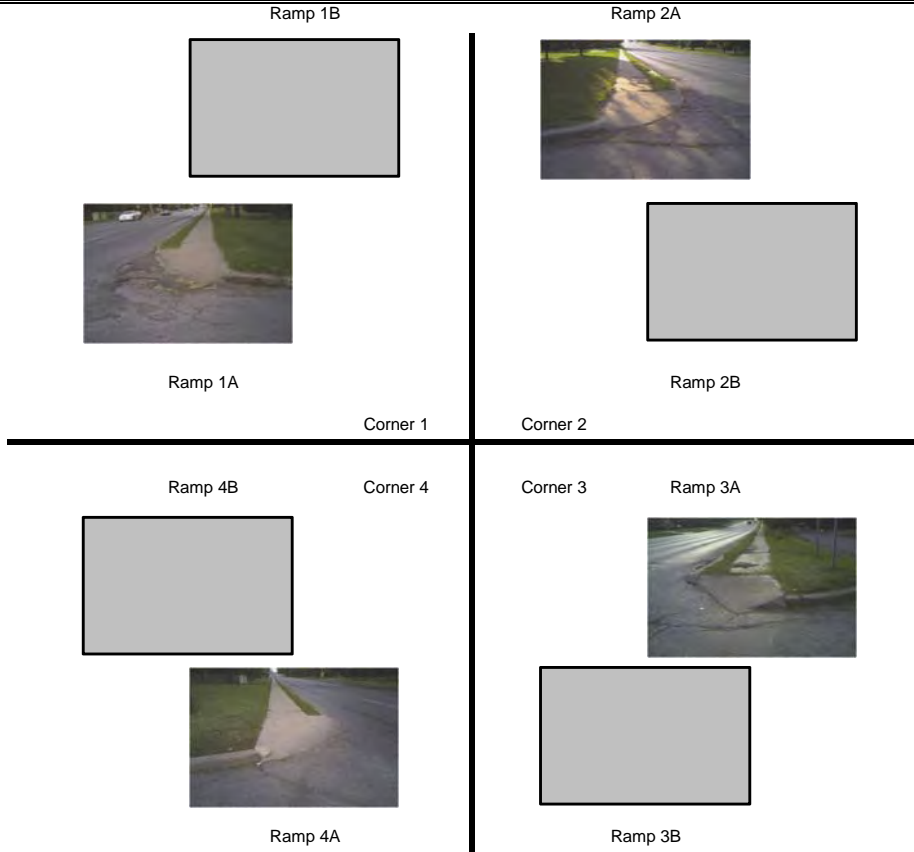
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Richmond Ave

GPS ID: 17045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sandusky Ave and E 41st St

GPS ID: 17046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,057.80
Engineering: (% +/-)	15%	\$ 4,260.94
Contingency: (% +/-)	20%	\$ 5,681.26
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

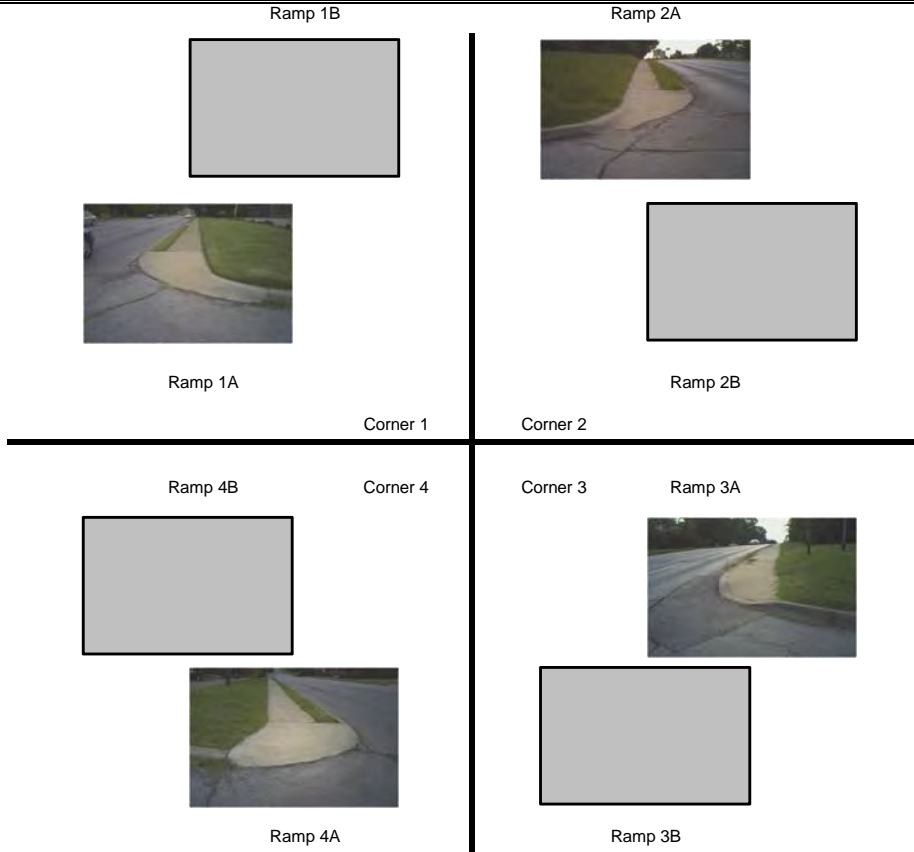
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk									Remove and replace ramp	
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X		
Ramp running slope is greater than 8.33%			X	X	X	X	X	X		
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X		
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp	X	X	X	X	X	X	X	X		Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area	
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway	
Ponding occurs at base of ramp										
Ramp not needed due to existing geometry										
Ramp Priority:	H	H	H	H	H	H	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Toledo Ave

GPS ID: 17047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,480.60
Engineering: (% +/-)	15%	\$ 2,794.03
Contingency: (% +/-)	20%	\$ 3,725.37
Estimated Project Cost:	\$	23,000.00

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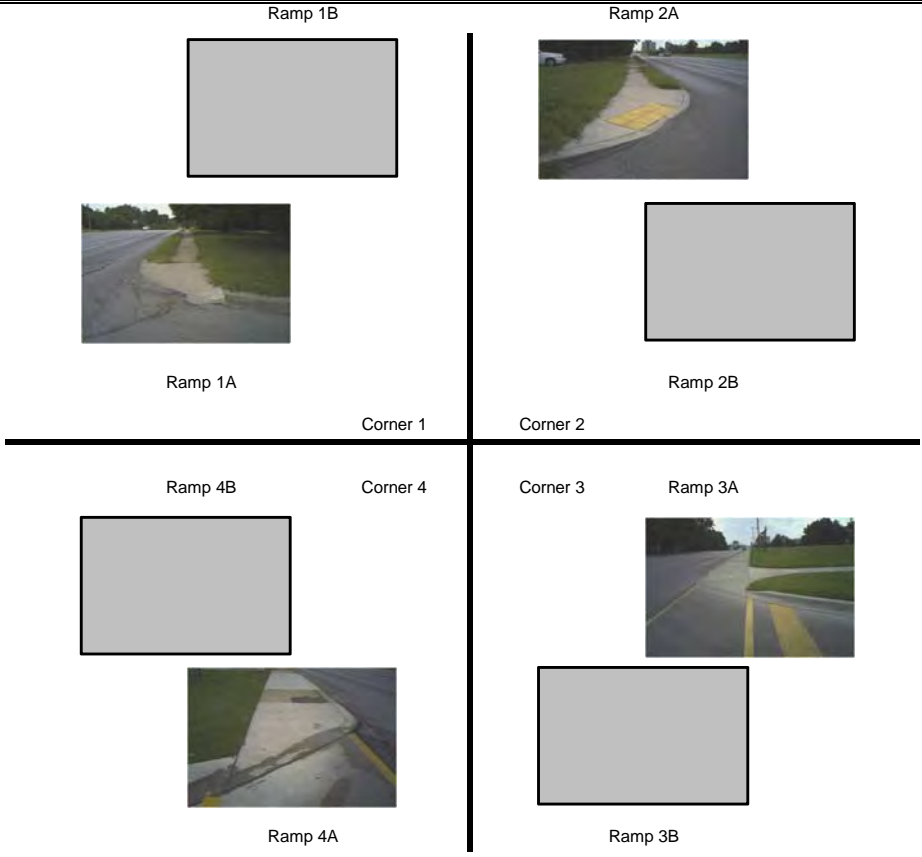
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X		X		Install colored truncated domes
No color contrast at base of ramp	X				X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Urbana Ave

GPS ID: 17048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

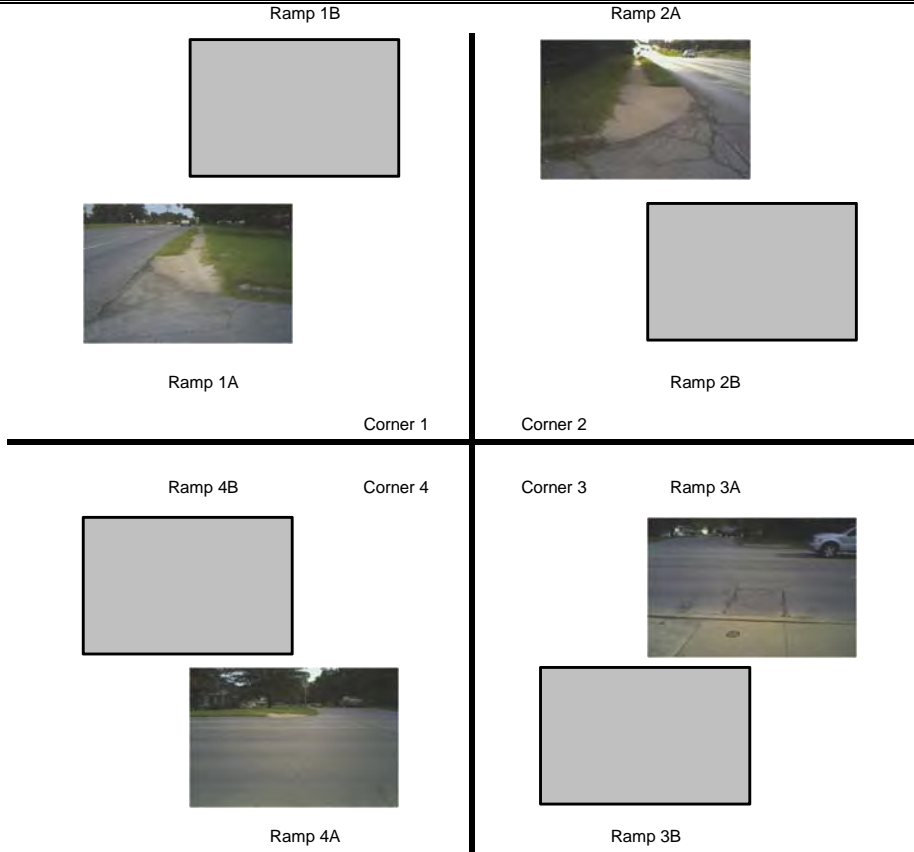
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S Vandalia Ave

GPS ID: 17049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

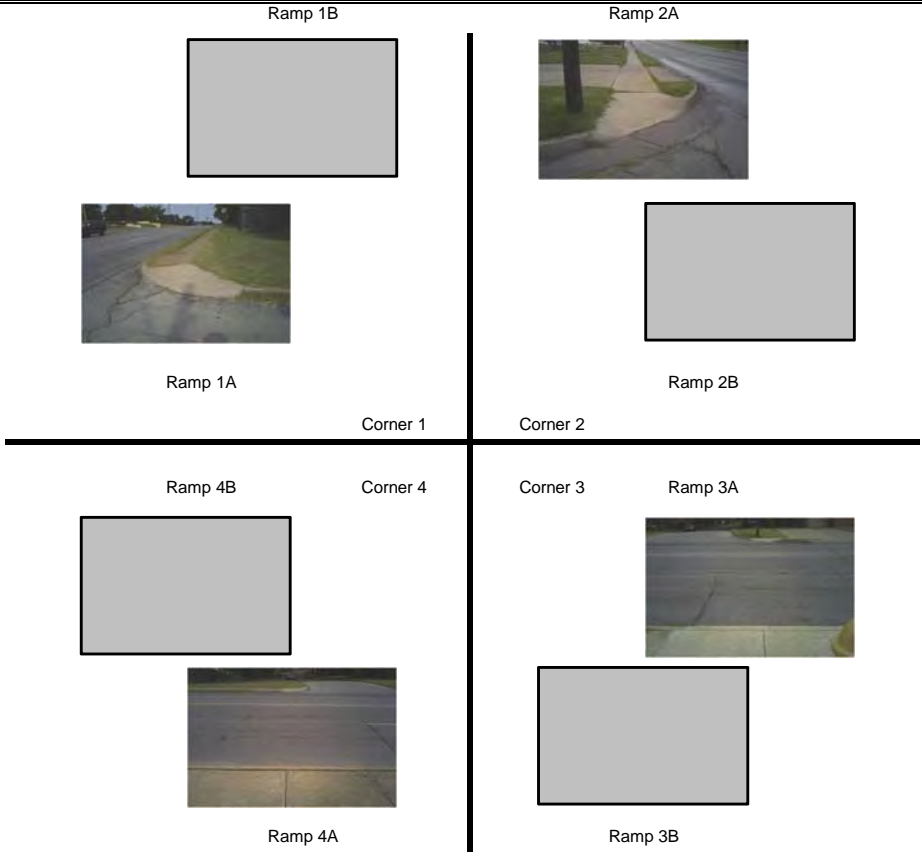
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S 87th East Ave

GPS ID: 17050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

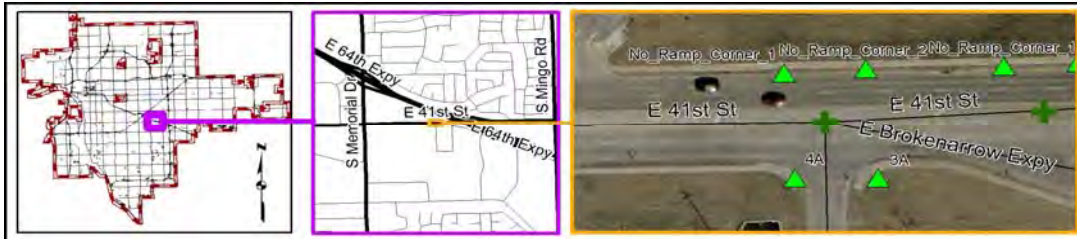
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

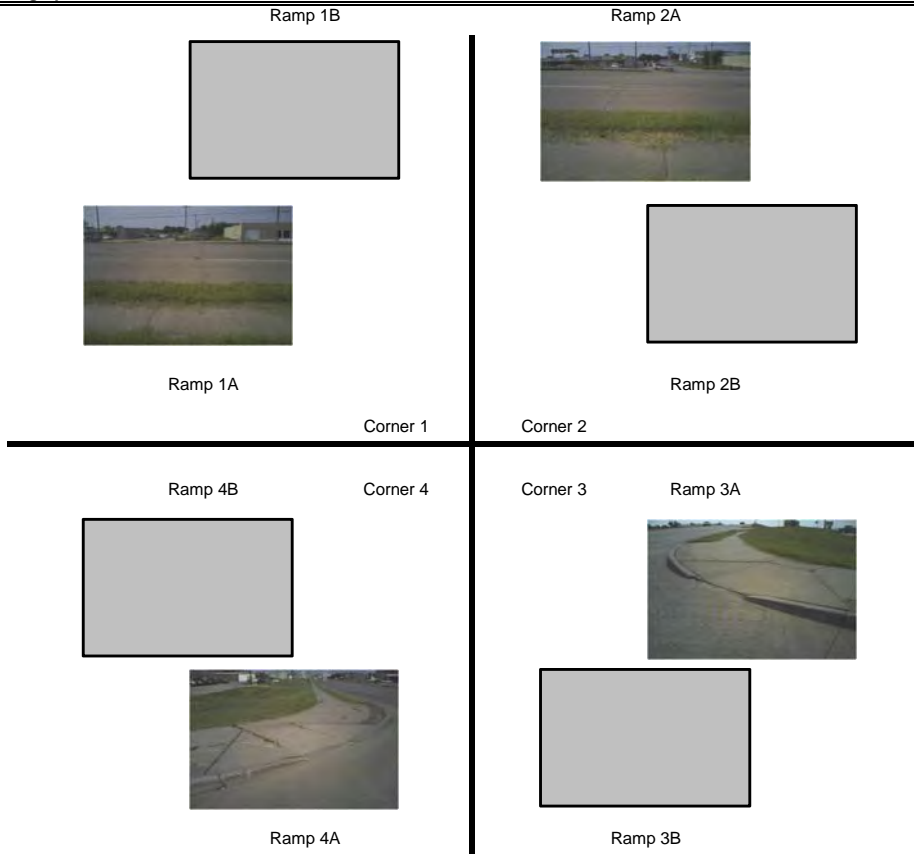
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and SH 51 Entrance EB Ramp

GPS ID: 17051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,735.20
Engineering: (% +/-)	15%	\$ 1,827.77
Contingency: (% +/-)	20%	\$ 2,437.03
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

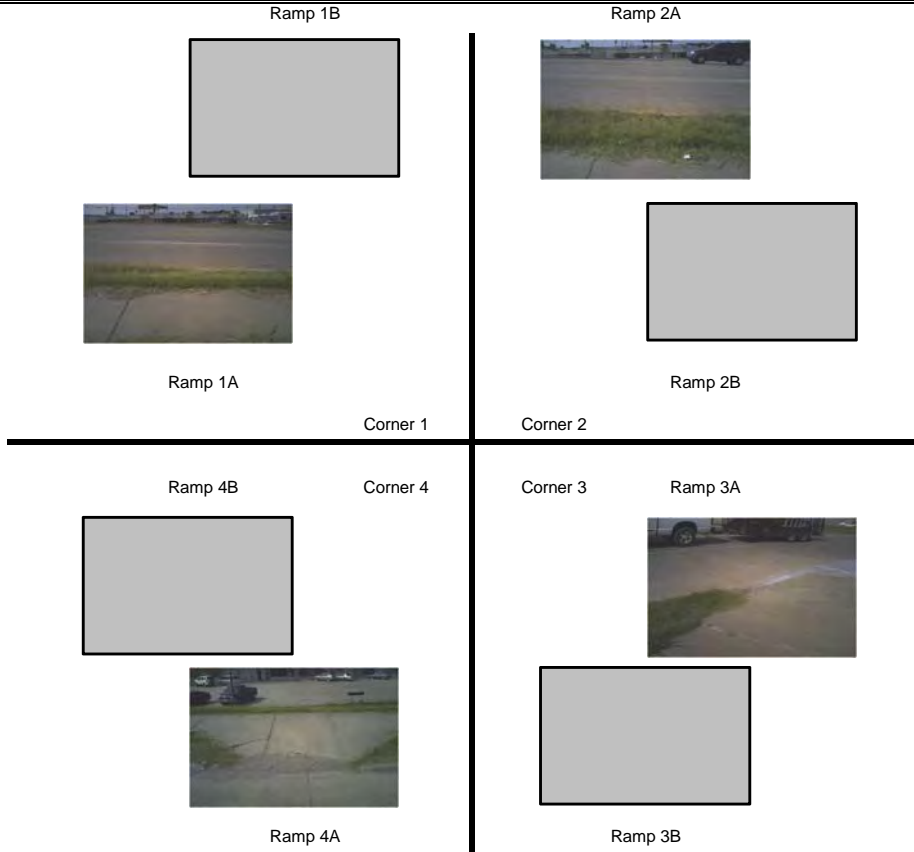
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and SH 51 Entrance WB Ramp

GPS ID: 17052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 40.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,394.20
Engineering: (% +/-)	15%	\$ 1,116.77
Contingency: (% +/-)	20%	\$ 1,489.03
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

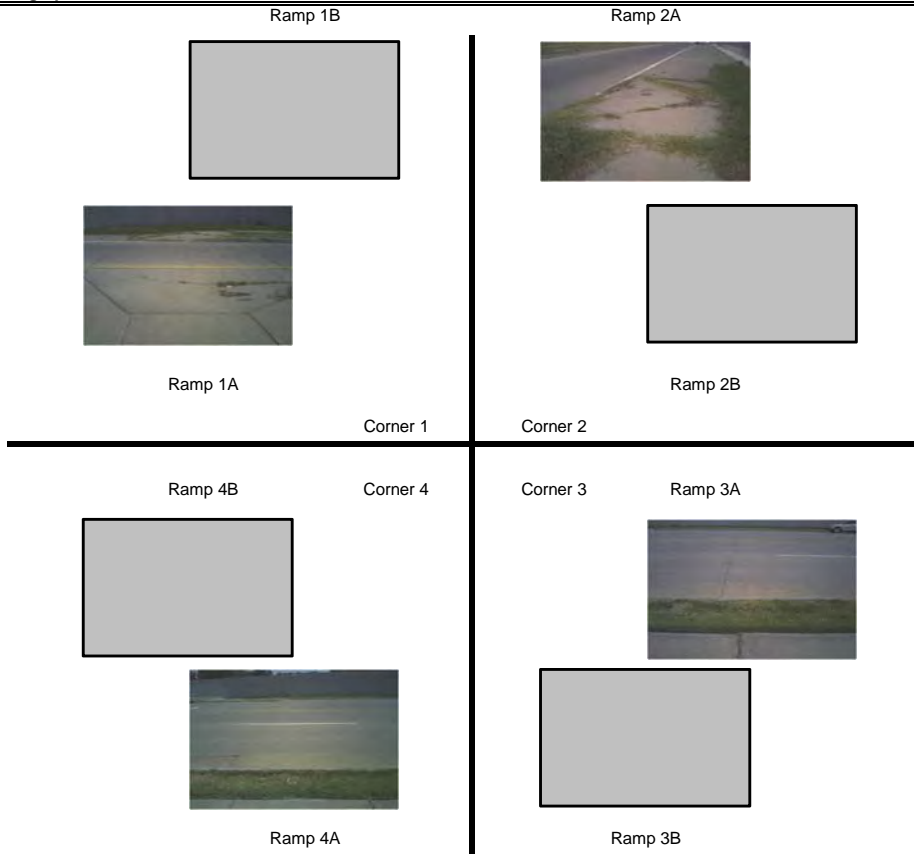
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 94th East Ave and E 41st St

GPS ID: 17053A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

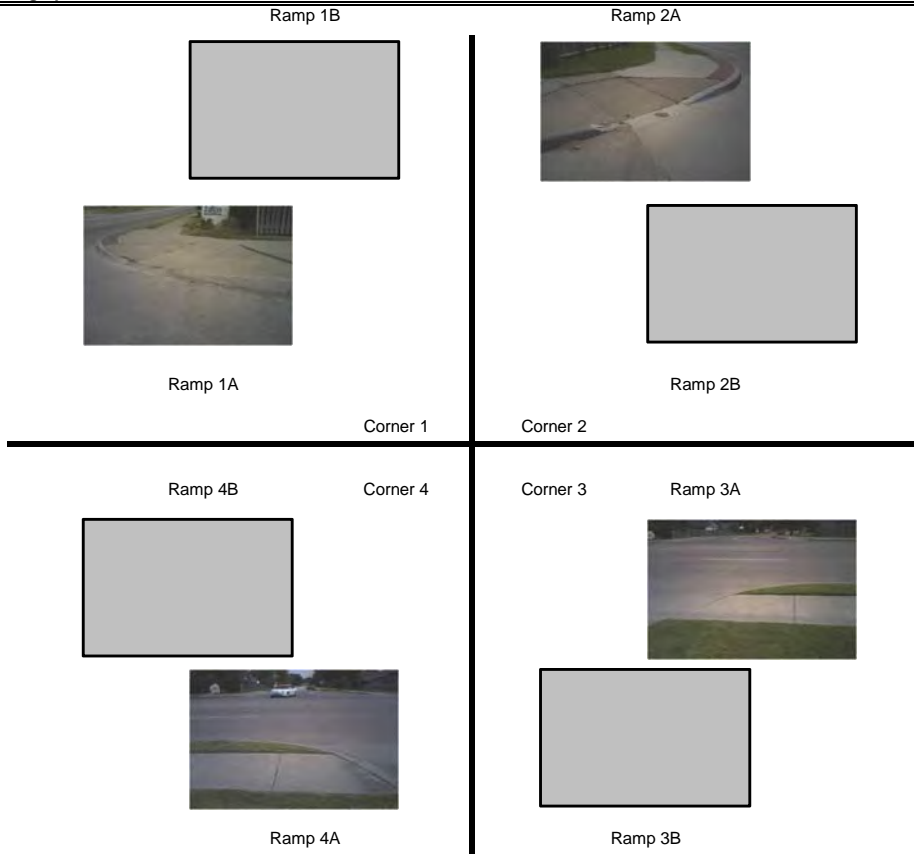
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S 92nd East Ave

GPS ID: 17053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

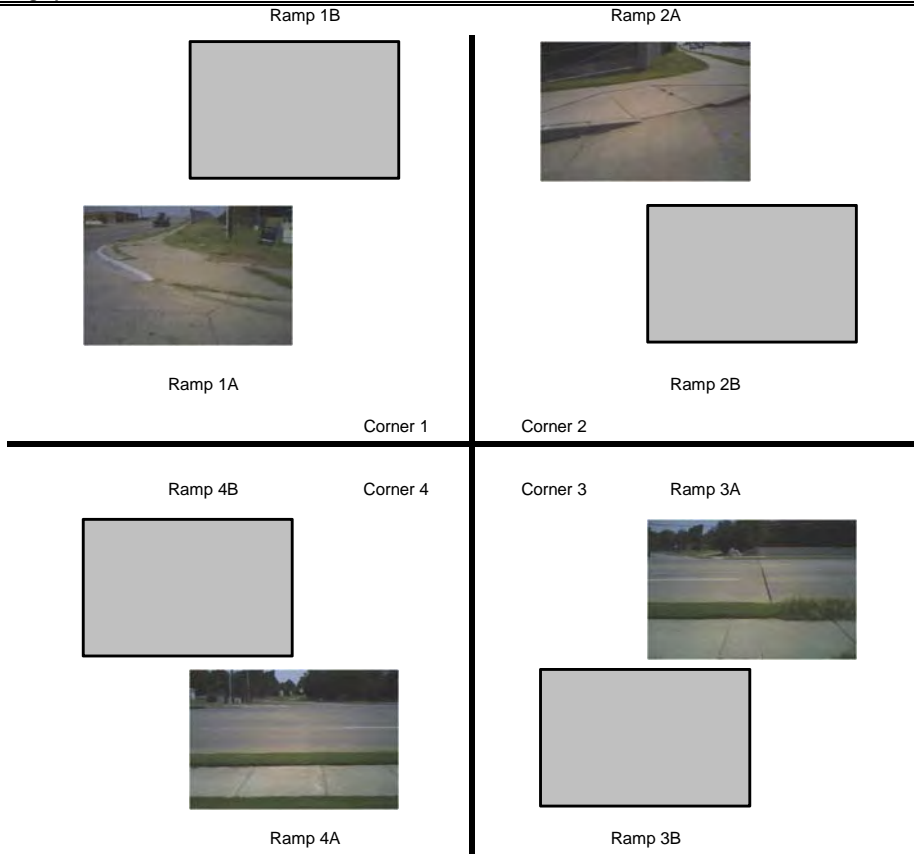
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S 100th East Ave (north)

GPS ID: 17054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

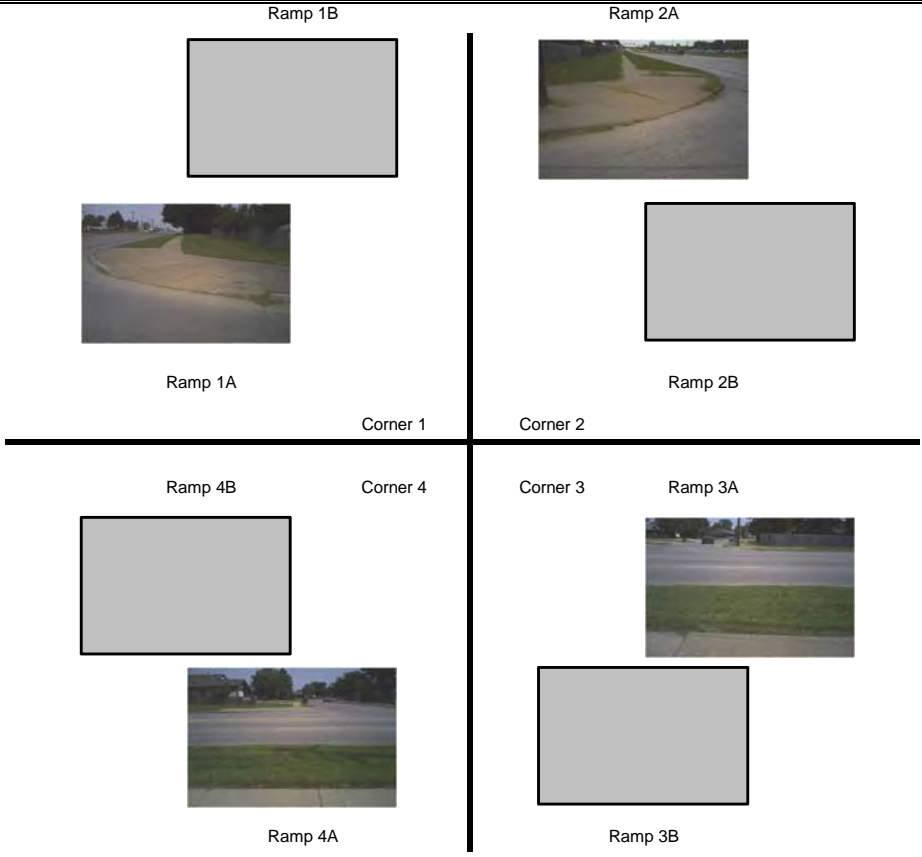
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 41st St and S 100th East Ave (south)

GPS ID: 17055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,386.40
Engineering: (% +/-)	15%	\$ 2,405.83
Contingency: (% +/-)	20%	\$ 3,207.77
Estimated Project Cost:	\$	19,000.00

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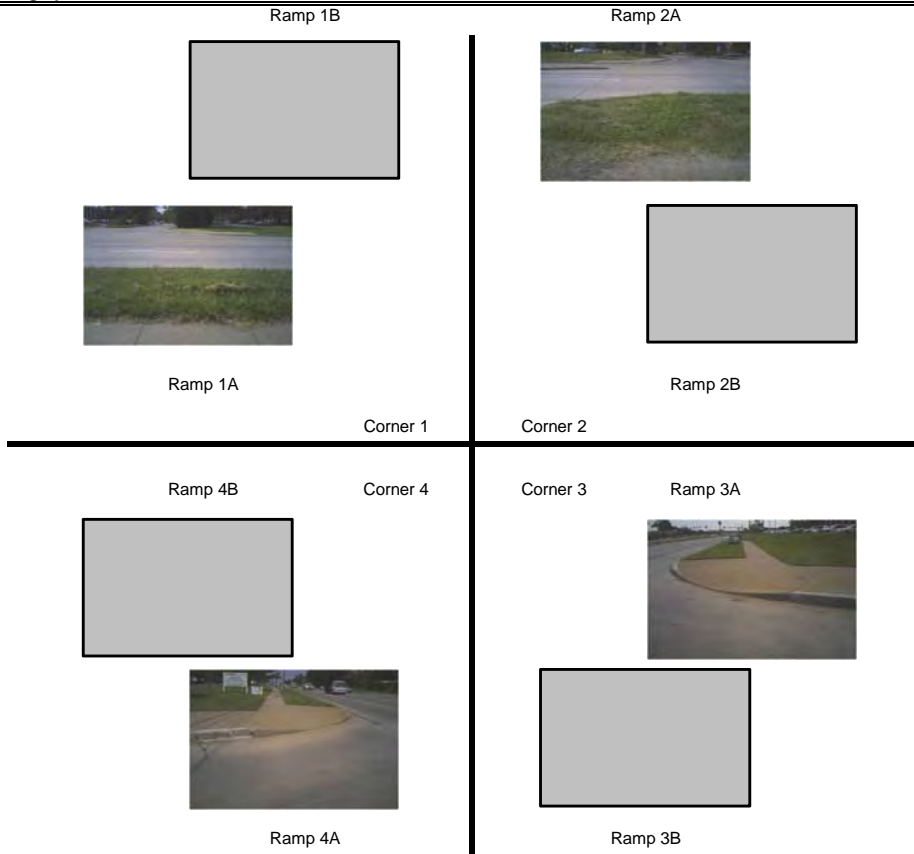
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"						X			
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Main St and E 46th St N

GPS ID: 18000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,712.00
Engineering: (% +/-)	15%	\$ 1,409.14
Contingency: (% +/-)	20%	\$ 1,878.86
Estimated Project Cost:	\$	10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Boston Ave and E 46th St N

GPS ID: 18001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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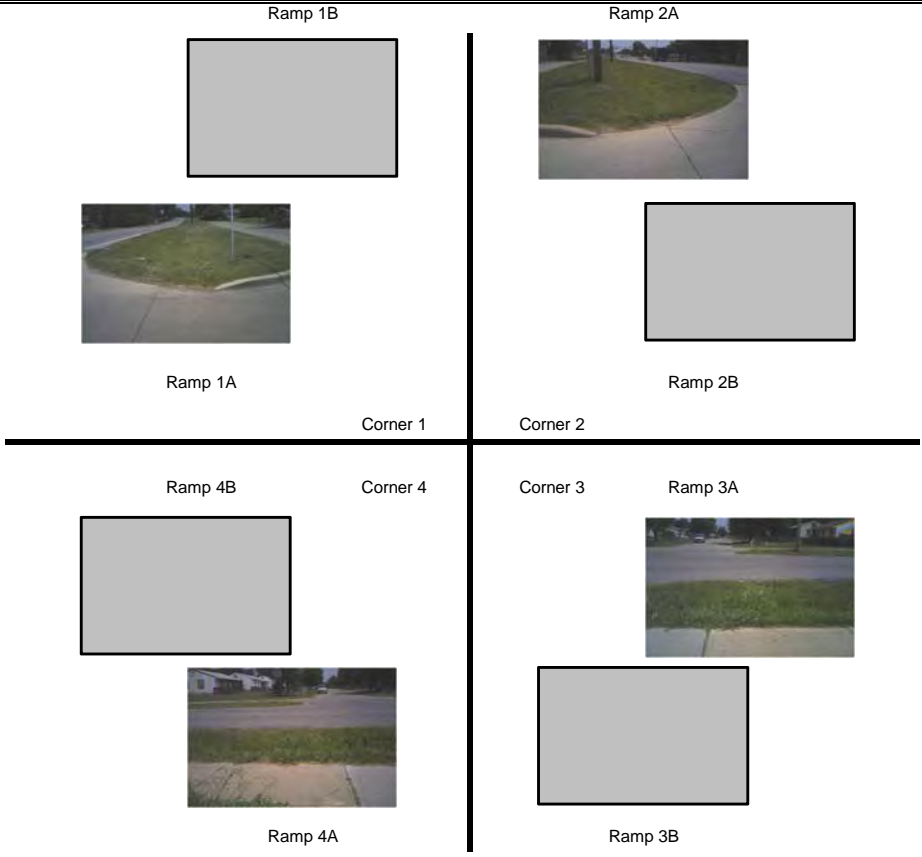
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Cincinnati PI GPS ID: 18002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	11,061.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,687.97
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,250.63
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Detroit Ave

GPS ID: 18003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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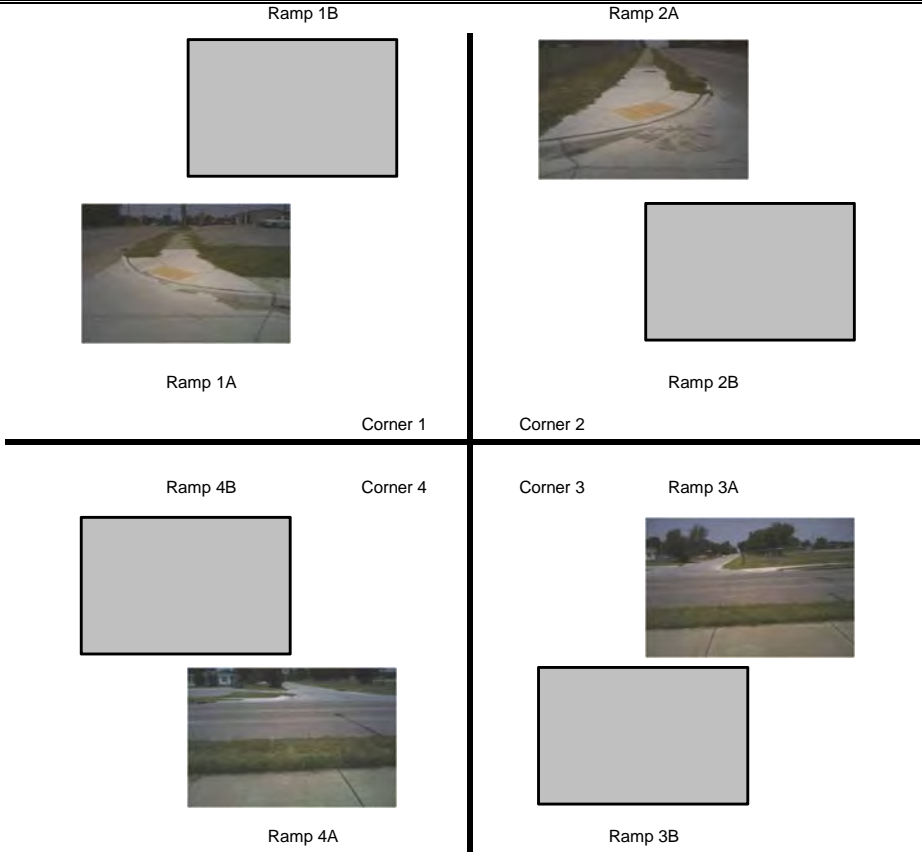
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Detroit PI

GPS ID: 18004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,191.40
Engineering: (% +/-)	15%	\$ 1,203.69
Contingency: (% +/-)	20%	\$ 1,604.91
Estimated Project Cost:	\$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Elgin Ave

GPS ID: 18005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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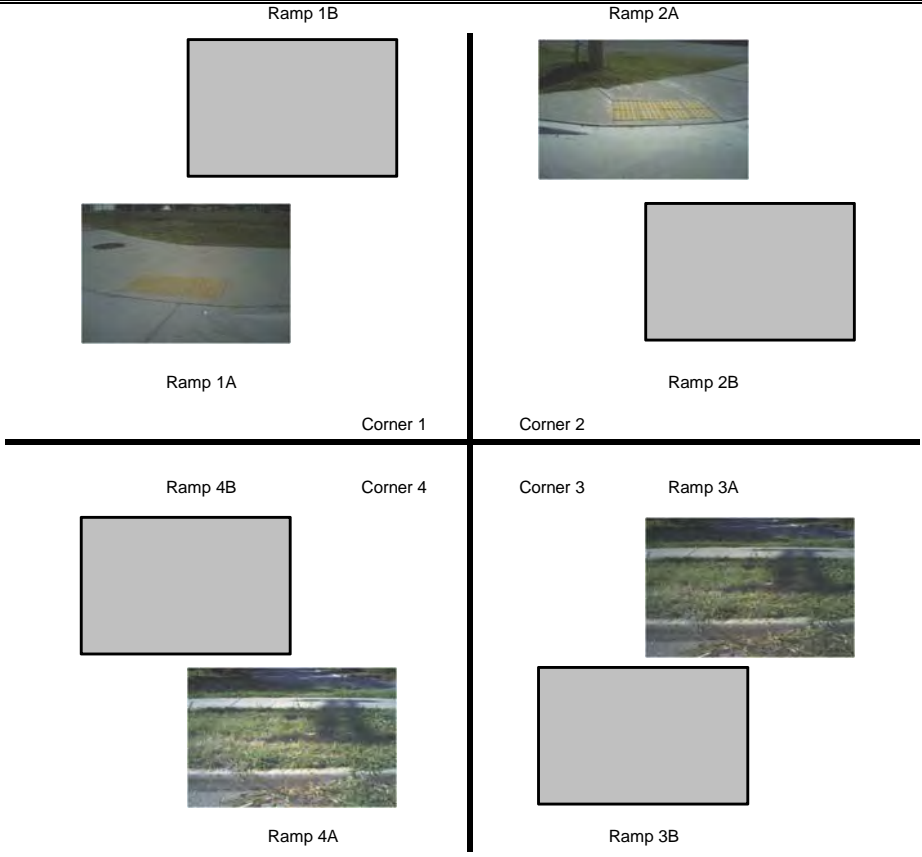
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Frankfort Ave
 GPS ID: 18006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,992.80
Engineering: (% +/-)	15%	\$ 2,145.94
Contingency: (% +/-)	20%	\$ 2,861.26
Estimated Project Cost:	\$	19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X				X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X	X	Install colored truncated domes
No color contrast at base of ramp							X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Garrison Ave

GPS ID: 18007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,733.00
Engineering: (% +/-)	15%	\$ 1,828.71
Contingency: (% +/-)	20%	\$ 2,438.29
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%		X							
Ramp running slope is greater than 8.33%		X	X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X	X						Install colored truncated domes
No color contrast at base of ramp		X	X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X						X		Remove ramp
Ramp Priority:	H	H	H				H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Garrison Pl

GPS ID: 18008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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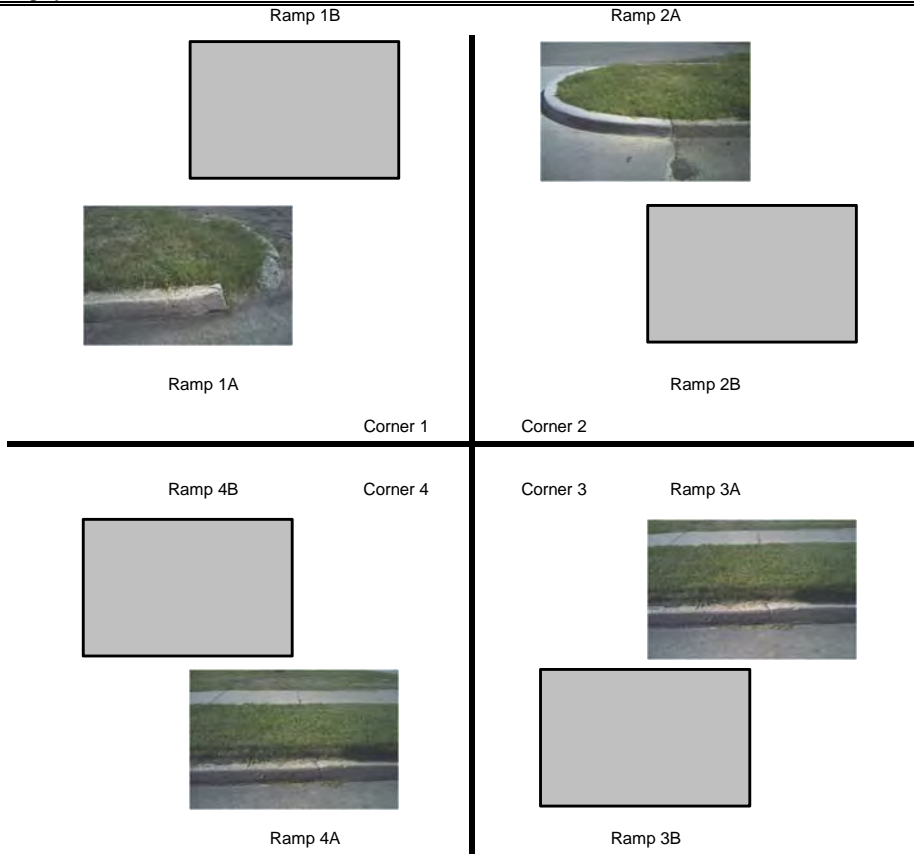
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Iroquois Ave

GPS ID: 18009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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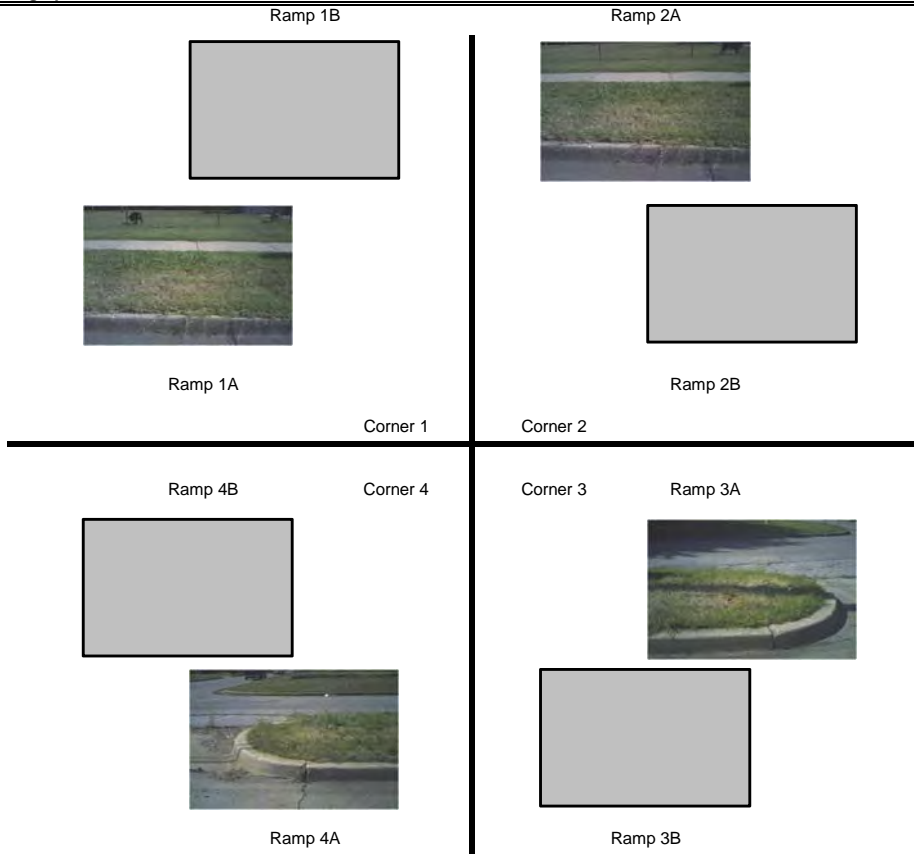
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St N and N Kenosha Ave

GPS ID: 18010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

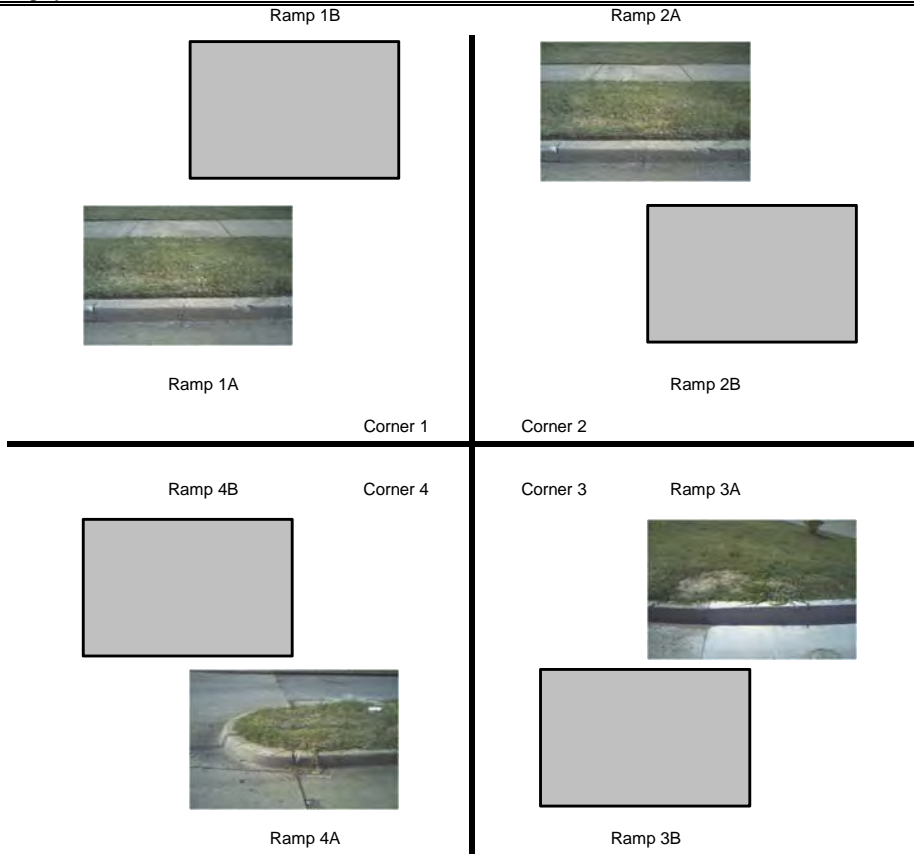
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Osage Prairie Trail Crossing at E 46th St N (east of N Kenosha Ave)

GPS ID: 18011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 40.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,054.20
Engineering: (% +/-)	15%	\$ 833.91
Contingency: (% +/-)	20%	\$ 1,111.89
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

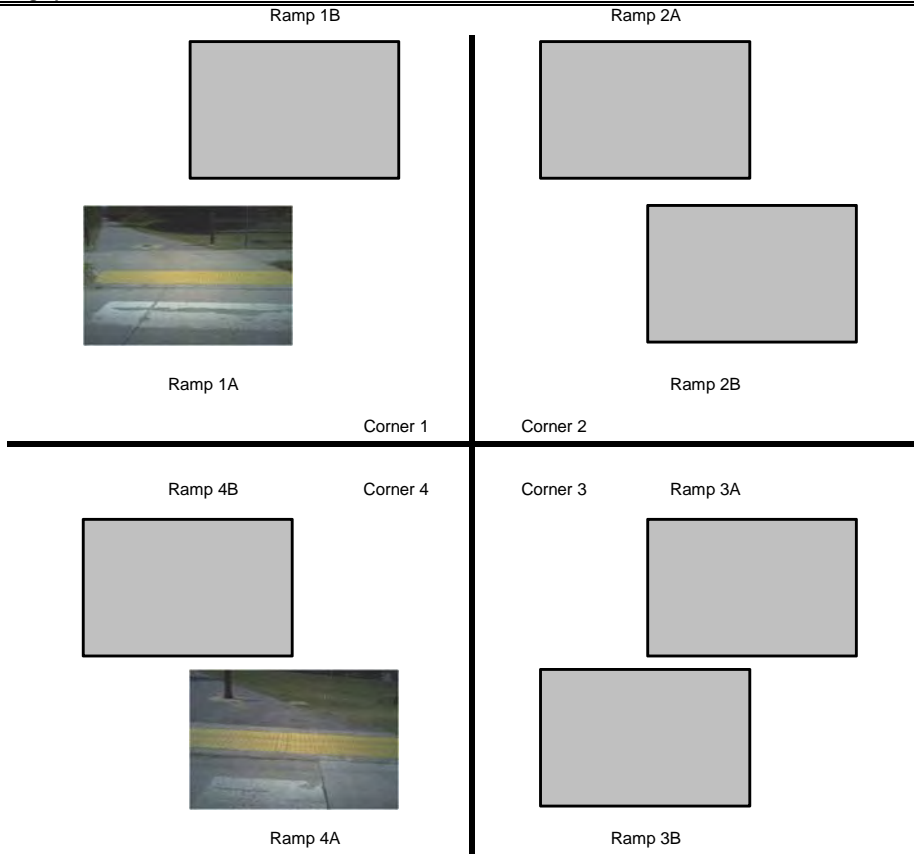
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and W 59th St

GPS ID: 19000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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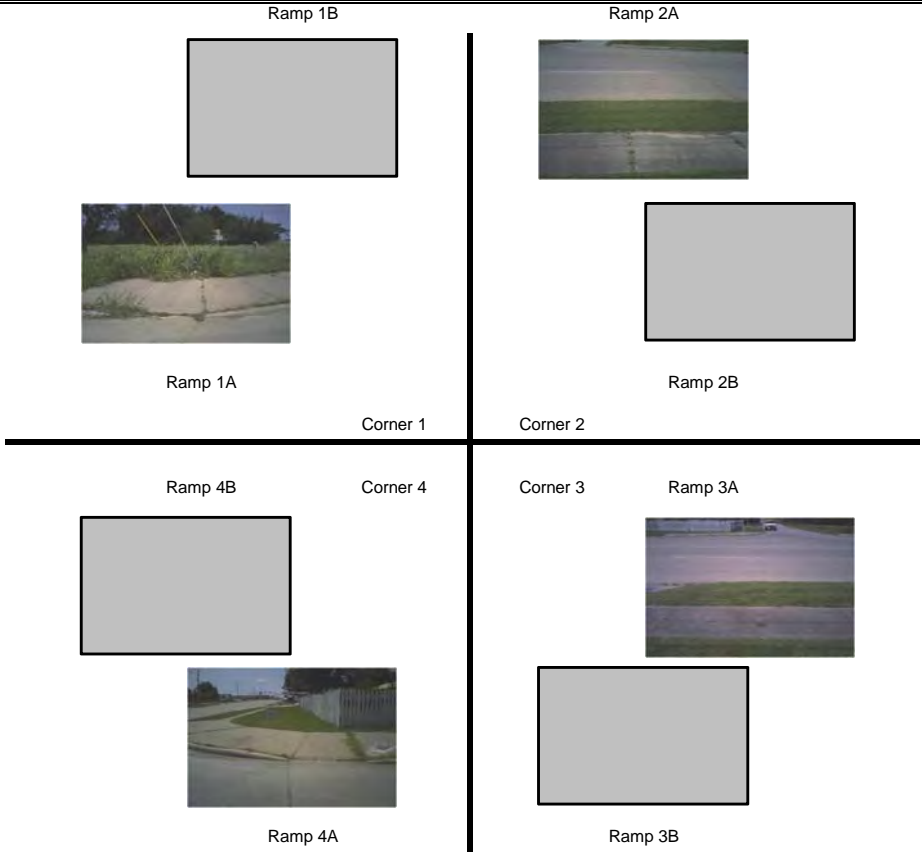
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

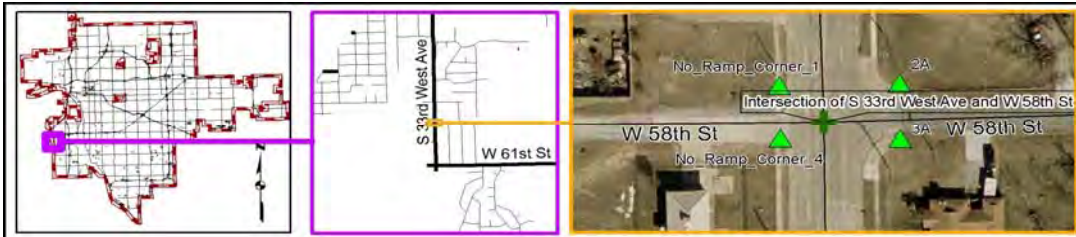
Project Name: Intersection of S 33rd West Ave and W 58th St
 GPS ID: 19001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	11,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,172.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,896.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	17,000.00

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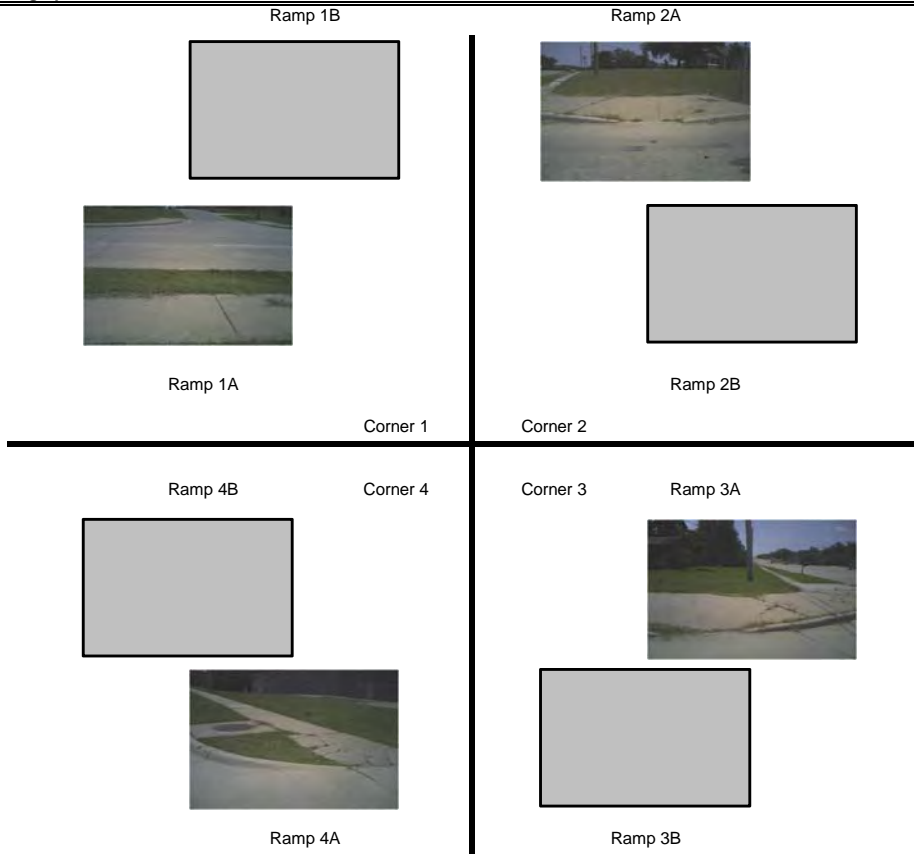
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and W 57th St

GPS ID: 19002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

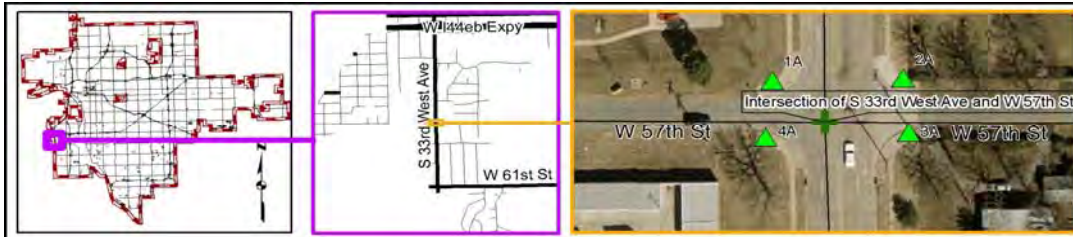
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,057.80
Engineering: (% +/-)	15%	\$ 3,832.37
Contingency: (% +/-)	20%	\$ 5,109.83
Estimated Project Cost:	\$	32,000.00

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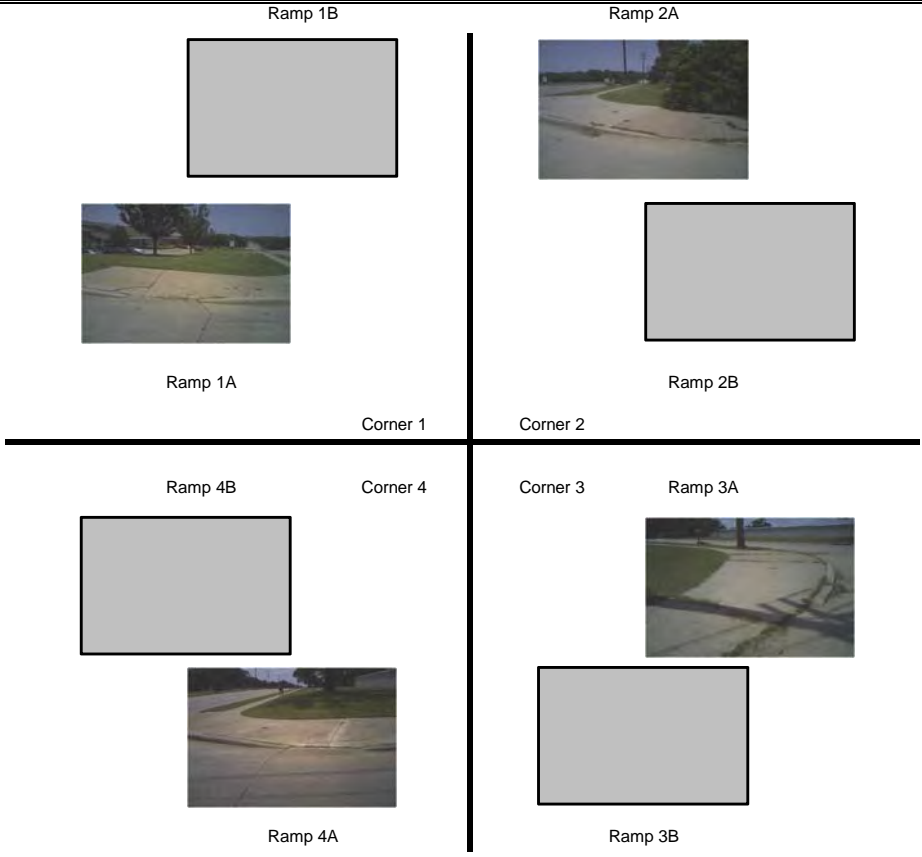
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and W 56th St

GPS ID: 19003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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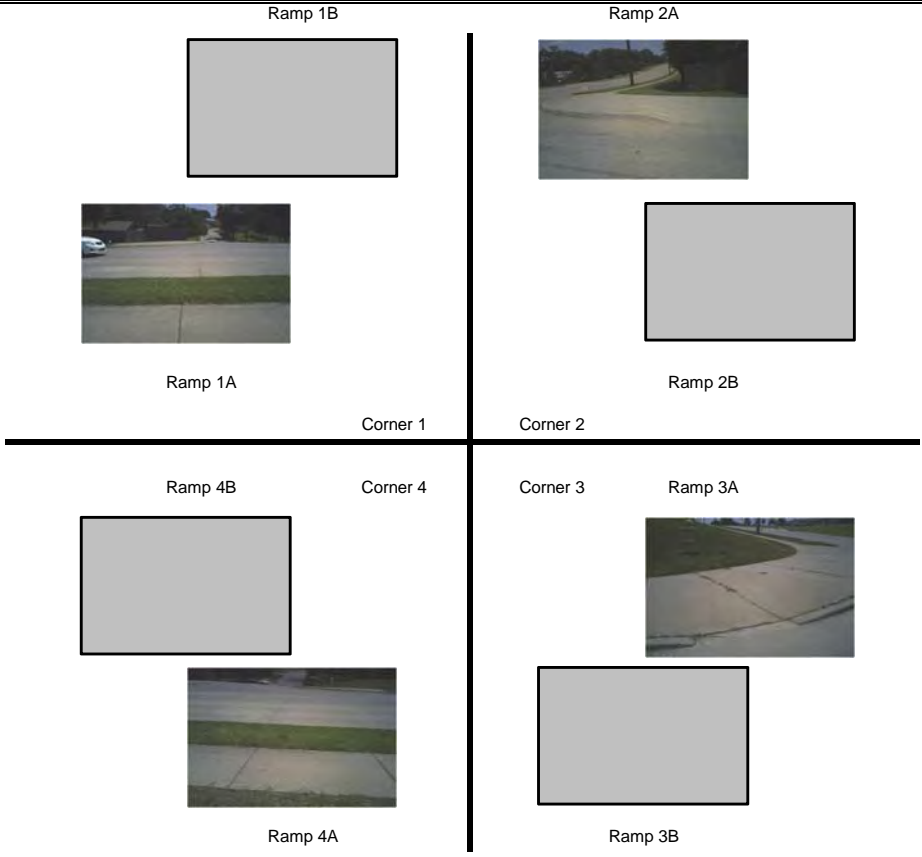
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and W 53rd St (east)

GPS ID: 19004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

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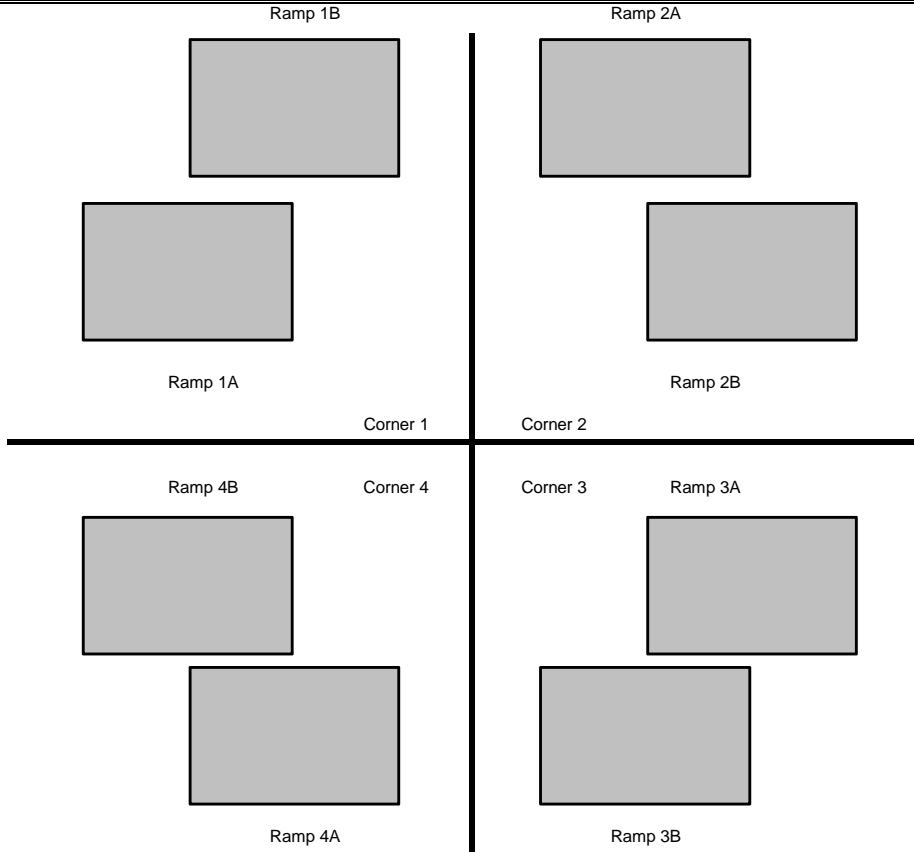
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and W 53rd St (west)

GPS ID: 19005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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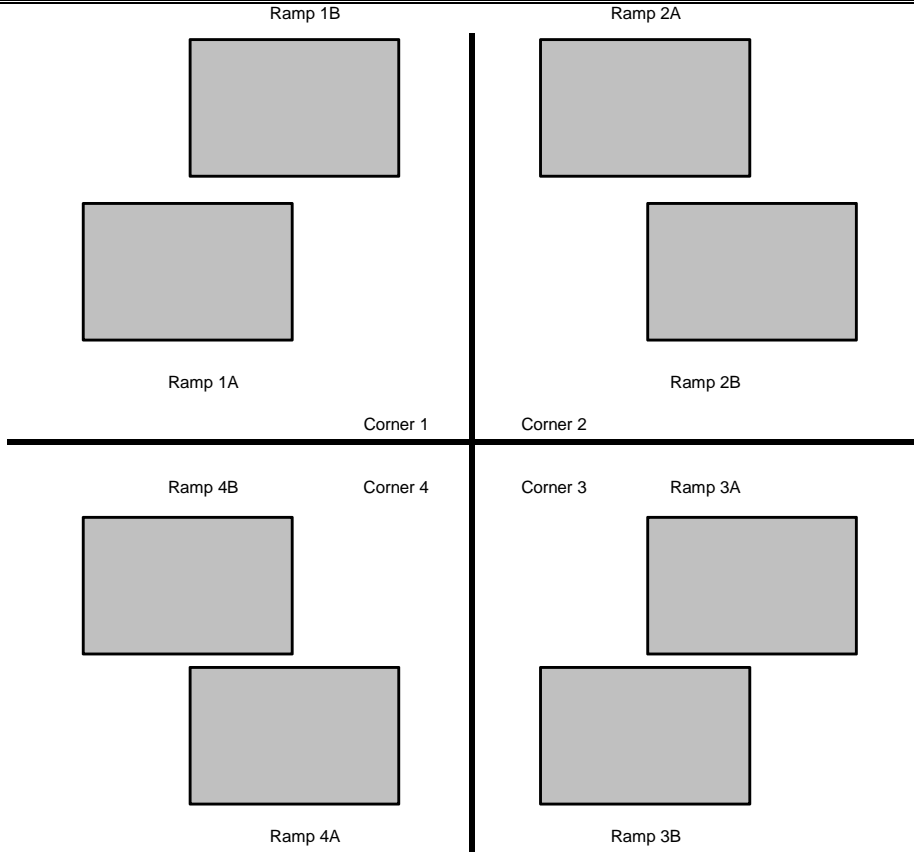
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and I-44 EB Ramp

GPS ID: 19006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,424.00
Engineering: (% +/-)	15%	\$ 3,675.43
Contingency: (% +/-)	20%	\$ 4,900.57
Estimated Project Cost:	\$	32,000.00

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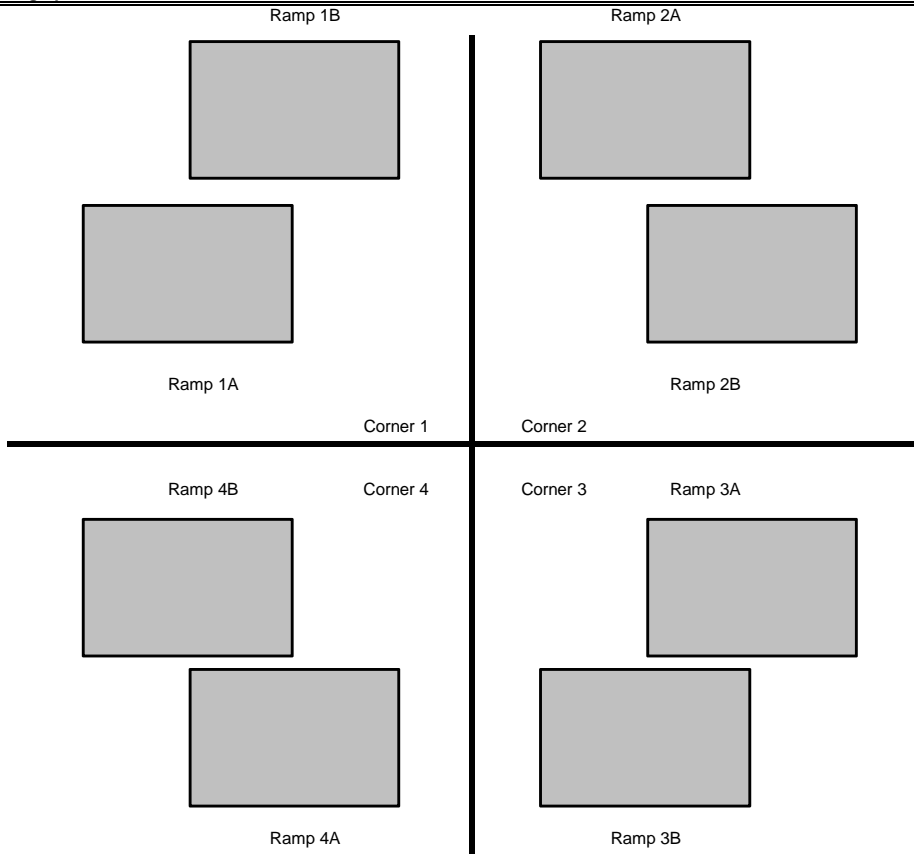
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X							X	Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and I-44 WB Ramp

GPS ID: 19007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,424.00
Engineering: (% +/-)	15%	\$ 3,675.43
Contingency: (% +/-)	20%	\$ 4,900.57
Estimated Project Cost:	\$	32,000.00

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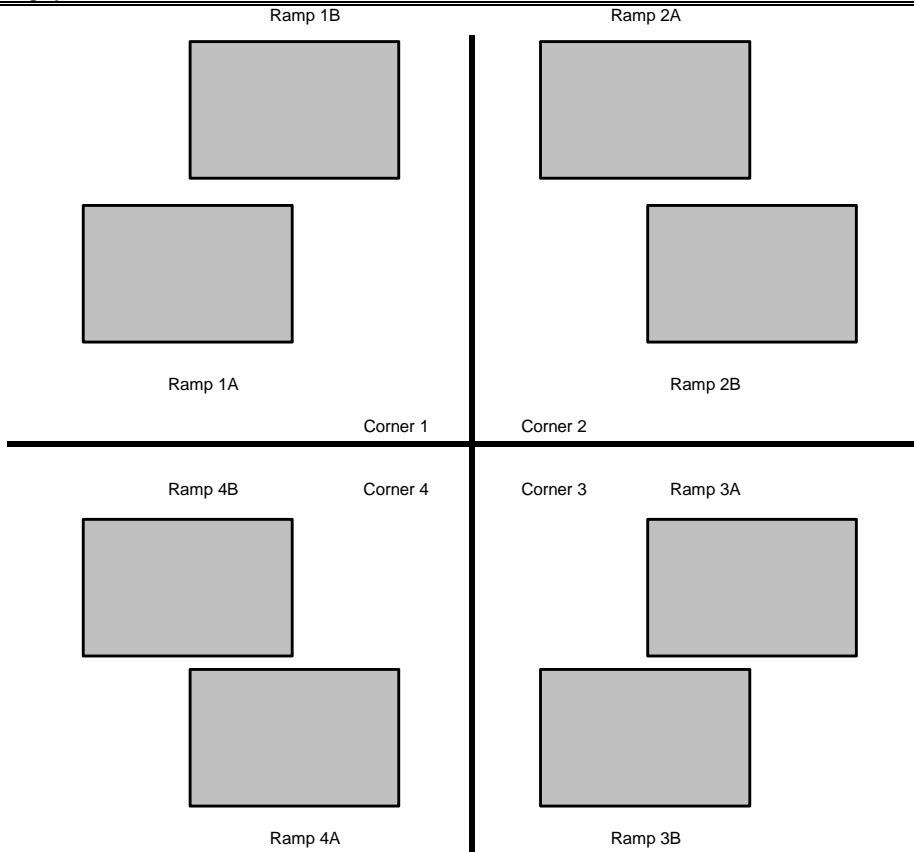
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X	X	
No textured surface at base of ramp							X	X	Install colored truncated domes
No color contrast at base of ramp							X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X	X	Regrade roadway
Ramp transition onto roadway is greater than 0.25"							X	X	
Ponding occurs at base of ramp							X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and W 48th St

GPS ID: 19009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	340	LF	\$ 6.50	\$ 2,210.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	39,179.60
Engineering: (% +/-)	15%	\$ 5,923.03
Contingency: (% +/-)	20%	\$ 7,897.37
Estimated Project Cost:	\$	53,000.00

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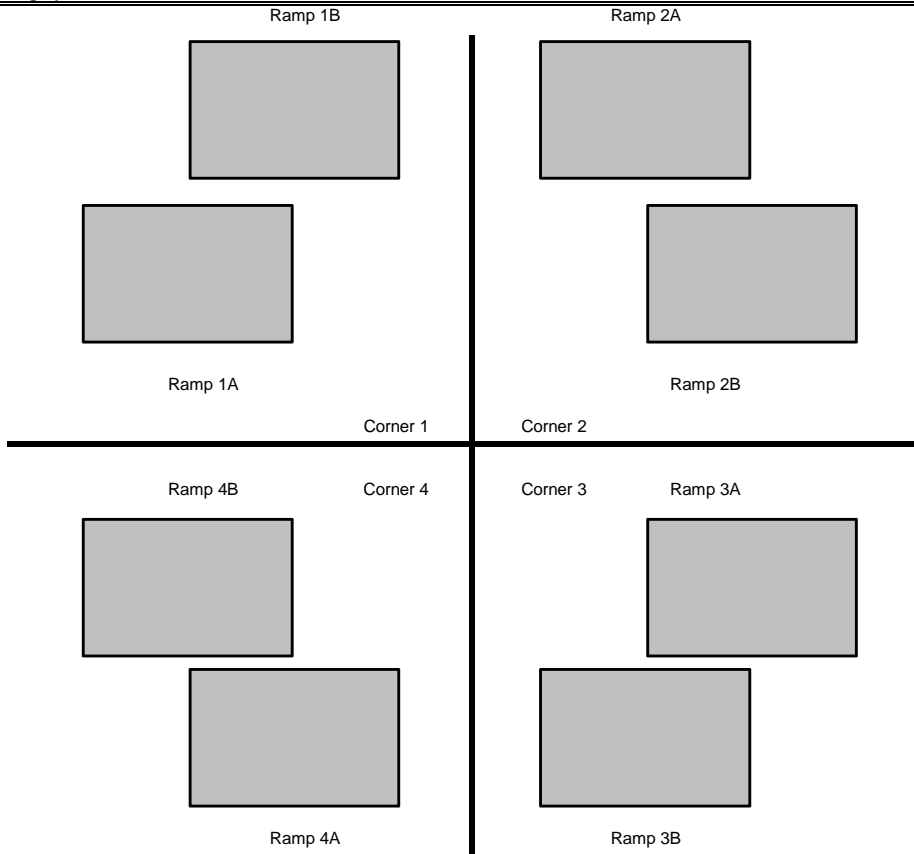
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Danger	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Worn	No	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X			X	Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and I-244 EB Exit Ramp

GPS ID: 19010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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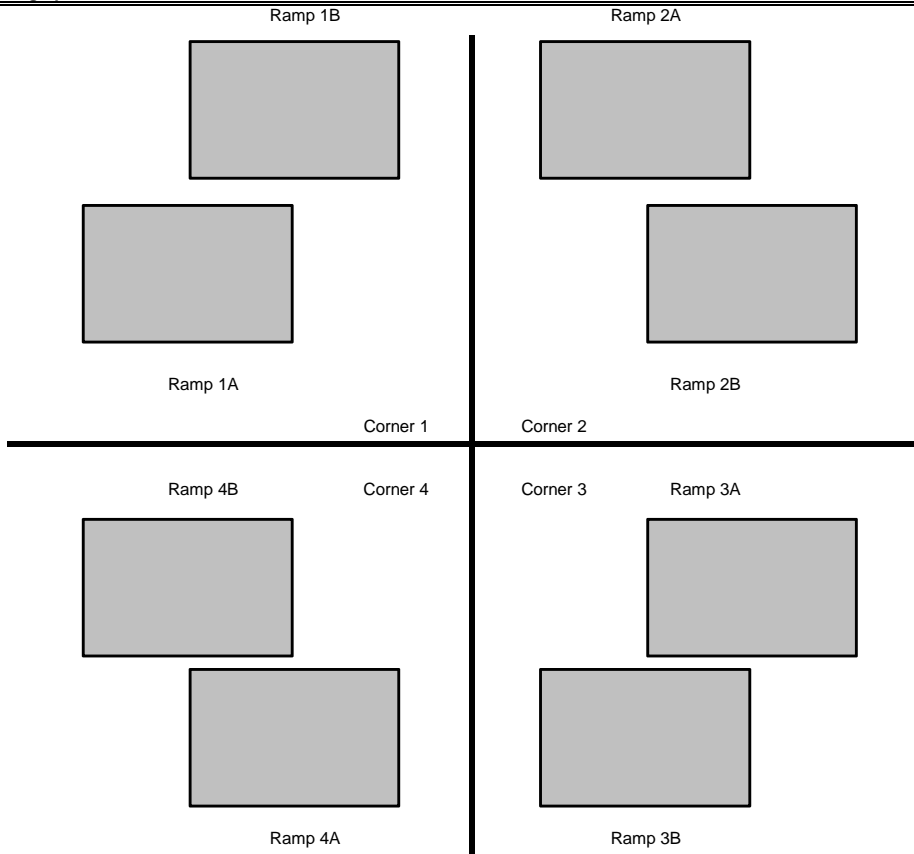
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and I-244 WB Entrance Ramp

GPS ID: 19011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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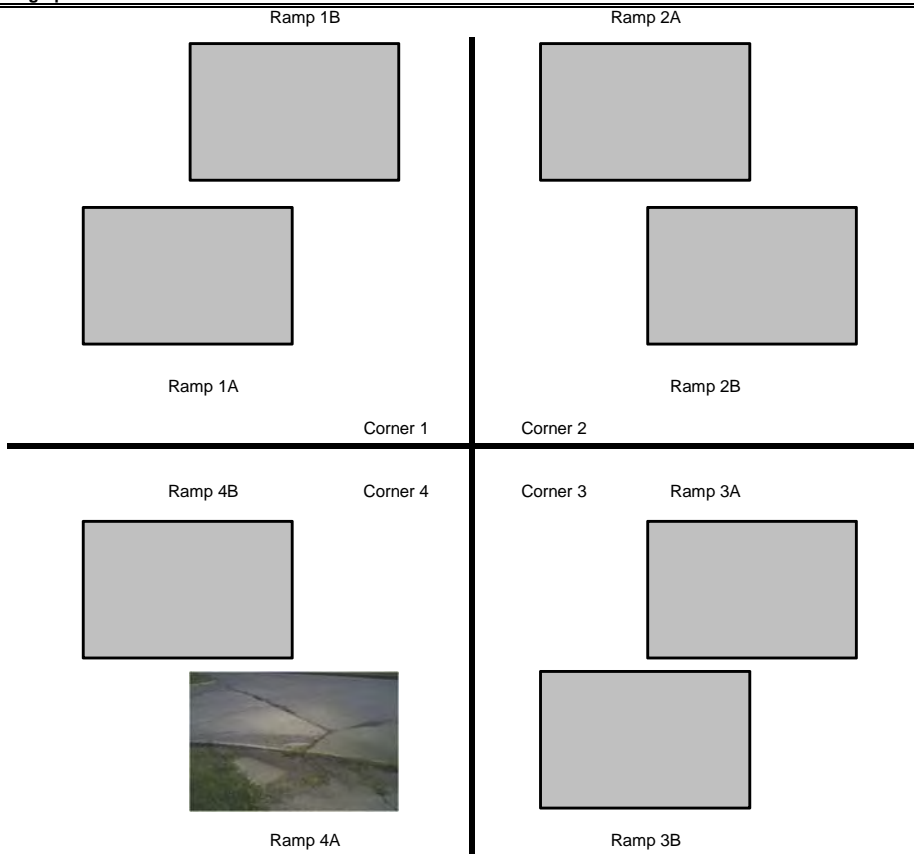
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 33rd West Ave and I-244 EB Entrance Ramp

GPS ID: 19012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

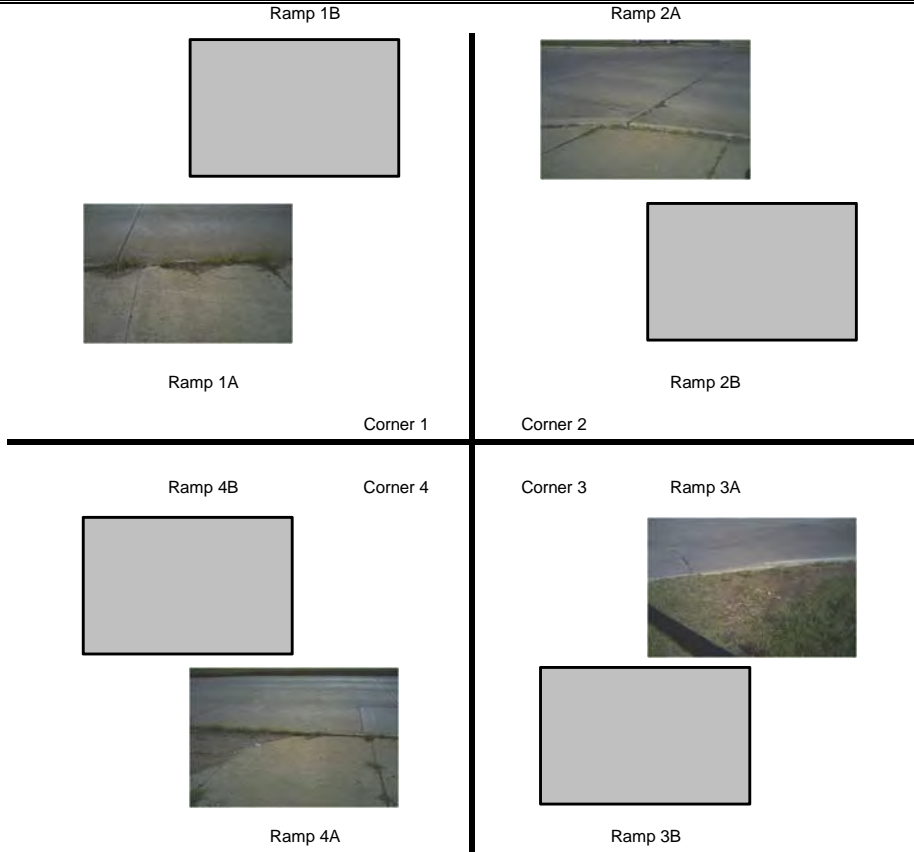
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N 49th West Ave and Cameron St

GPS ID: 20000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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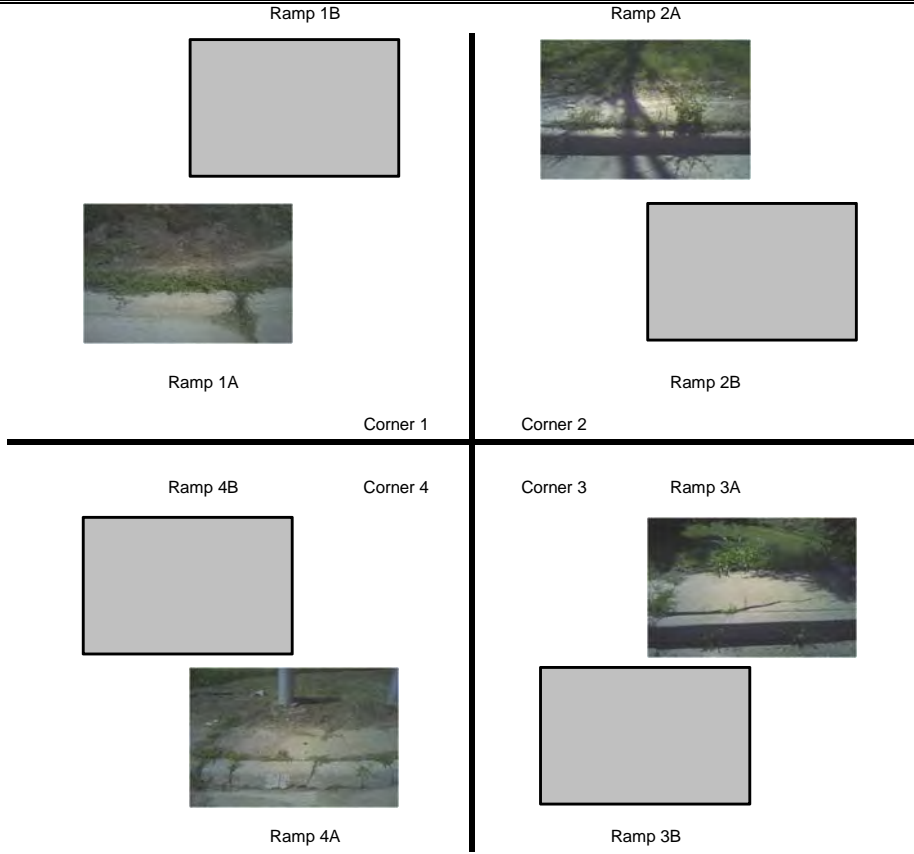
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N 49th W Ave and Keystone Exwy EB Entrance Ramp

GPS ID: 20001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	88.88	SY	\$ 80.00	\$ 7,110.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	29,760.40
Engineering: (% +/-)	15%	\$ 4,816.97
Contingency: (% +/-)	20%	\$ 6,422.63
Estimated Project Cost:	\$	41,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

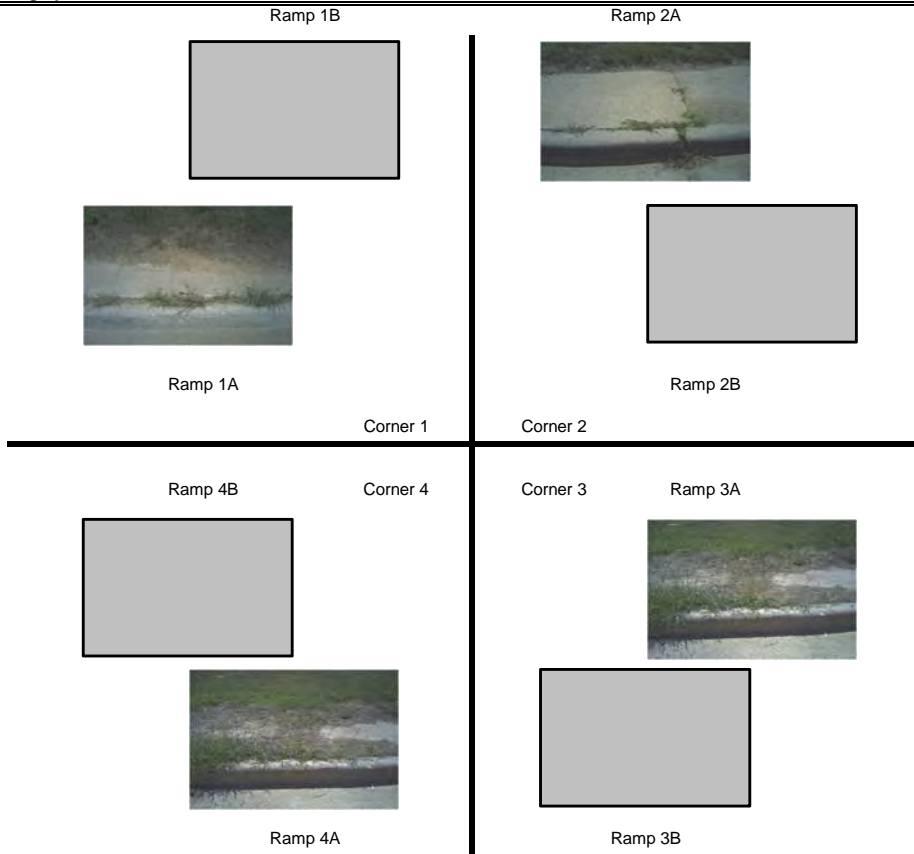
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N 49th W Ave and Keystone Exwy WB Entrance Ramp

GPS ID: 20002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	845.00
Engineering: (% +/-)	15%	\$ 495.00
Contingency: (% +/-)	20%	\$ 660.00
Estimated Project Cost:	\$	2,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

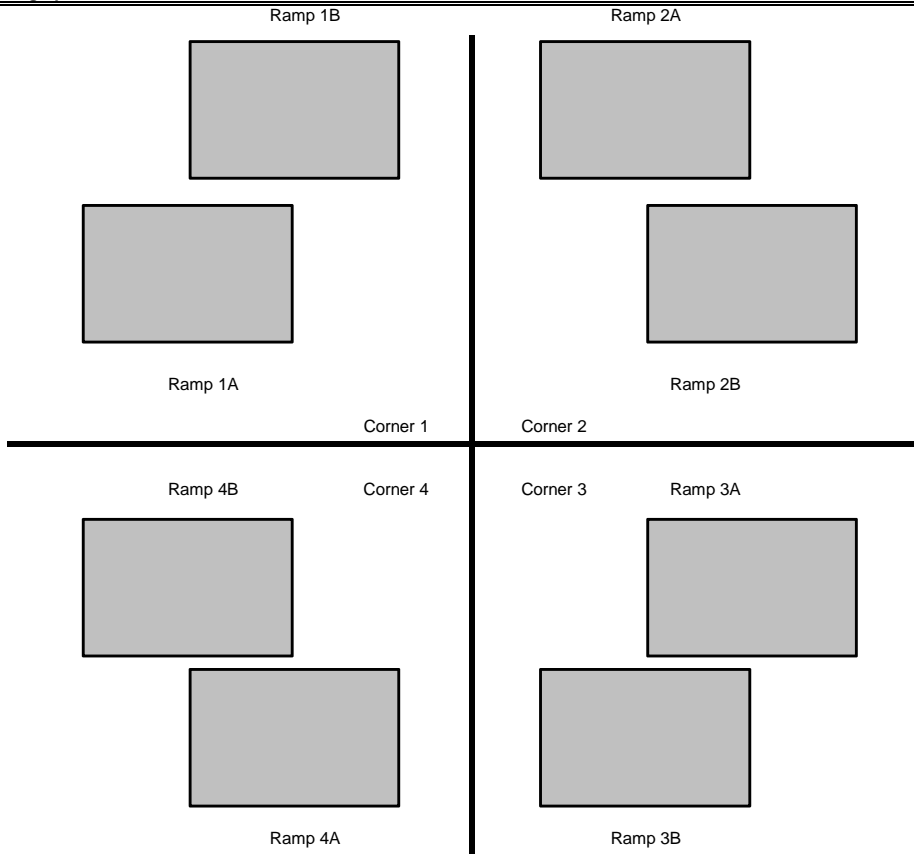
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Atlanta Ave and E 51st St

GPS ID: 21000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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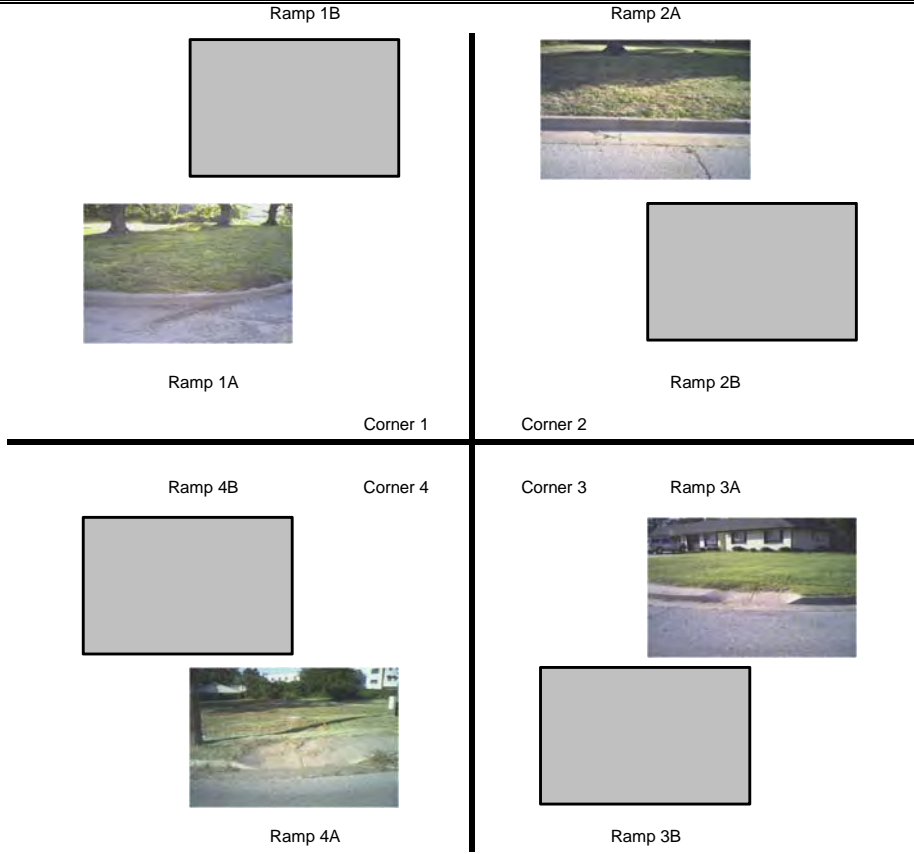
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Atlanta Pl and E 51st St

GPS ID: 21001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

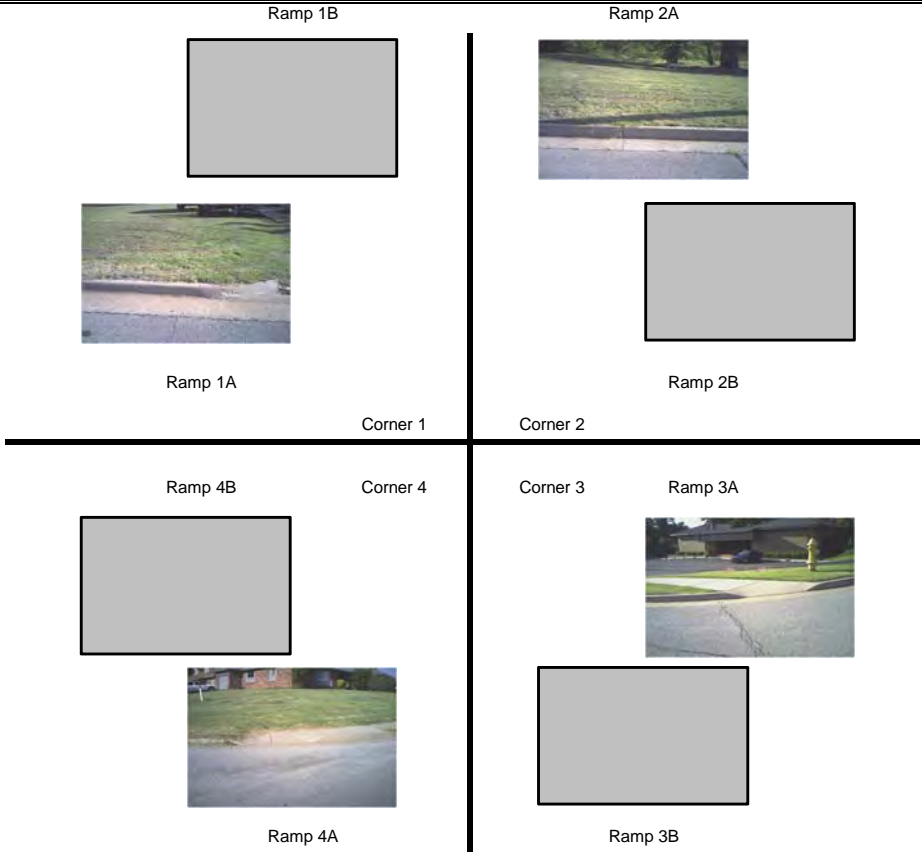
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Birmingham Pl and E 51st St

GPS ID: 21002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

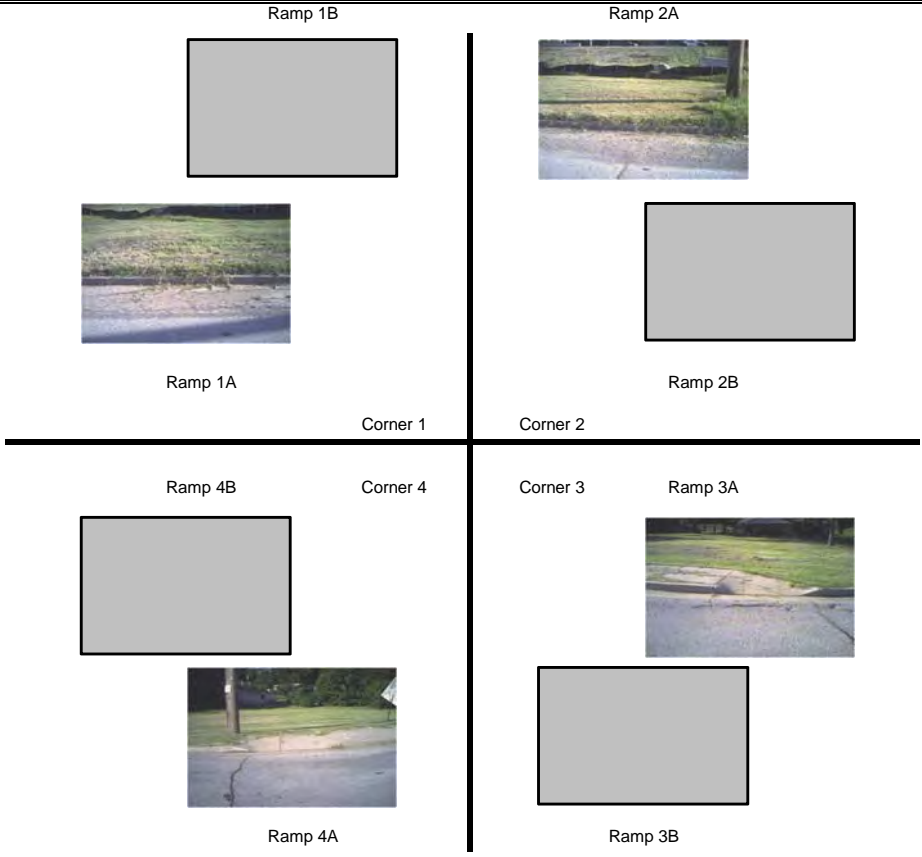
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"					X		X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Columbia Ave and E 51st St

GPS ID: 21003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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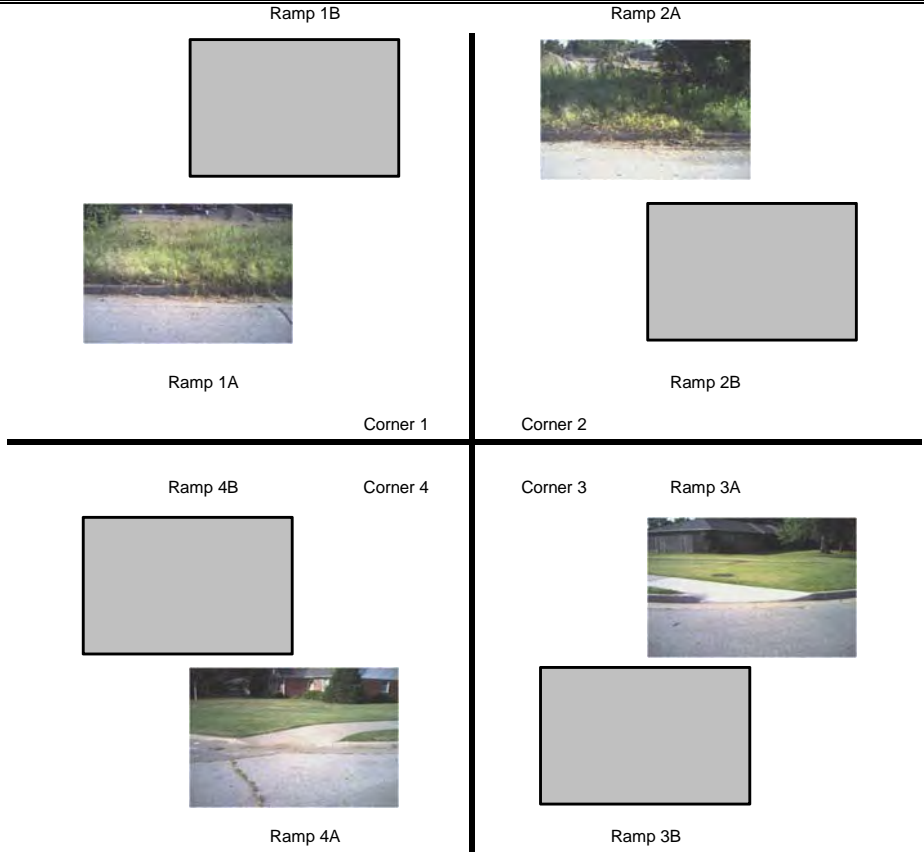
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of E 51st St South and S Columbia PI GPS ID: 21004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	8,323.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,575.77
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,101.03
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	12,000.00

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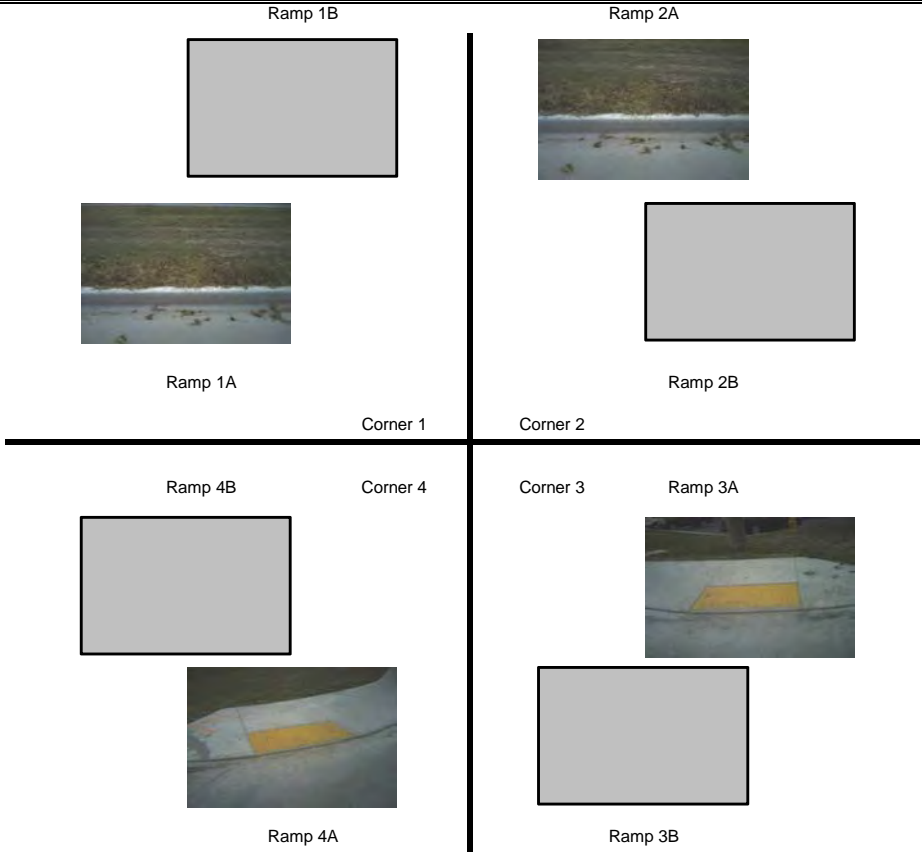
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	L	-	-	C	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St South and S Delaware PI

GPS ID: 21005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,370.20
Engineering: (% +/-)	15%	\$ 698.49
Contingency: (% +/-)	20%	\$ 931.31
Estimated Project Cost:	\$	6,000.00

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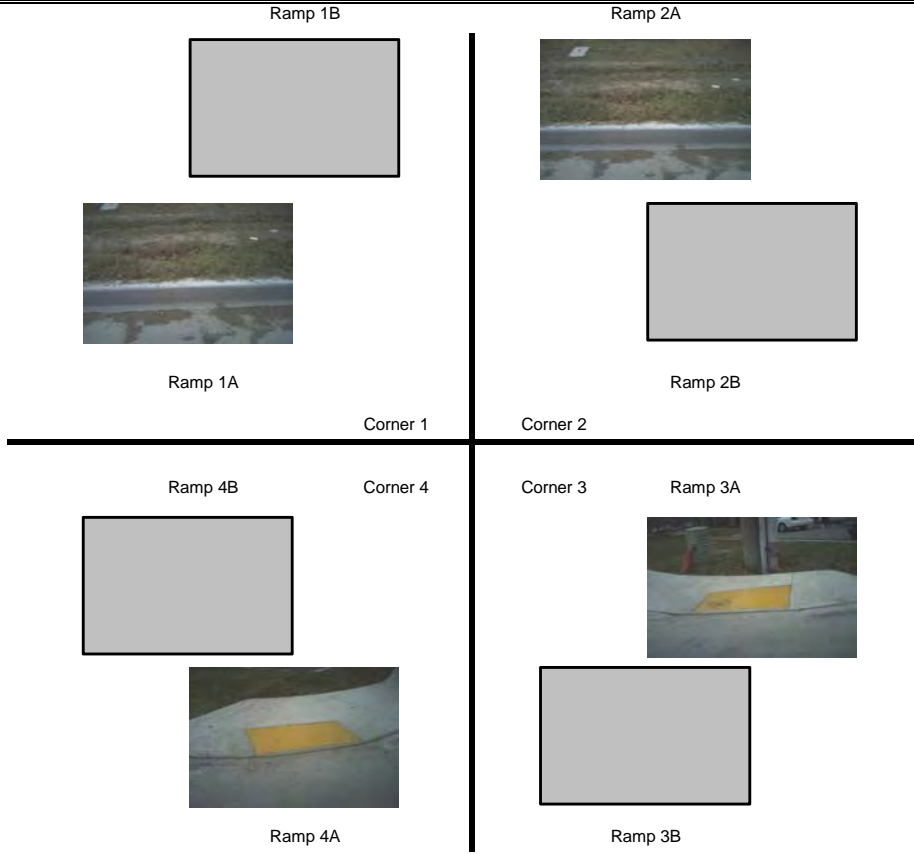
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Marion Ave

GPS ID: 21009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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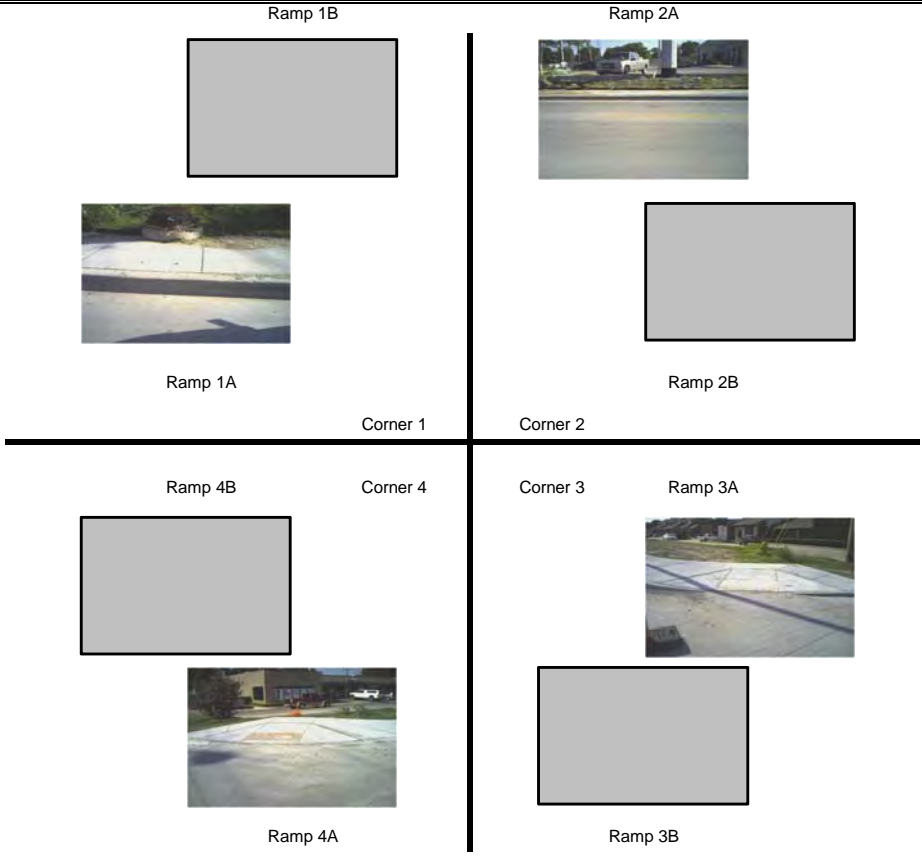
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Oswego Ave and E 51st St

GPS ID: 21010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,149.00
Engineering: (% +/-)	15%	\$ 793.29
Contingency: (% +/-)	20%	\$ 1,057.71
Estimated Project Cost:	\$	7,000.00

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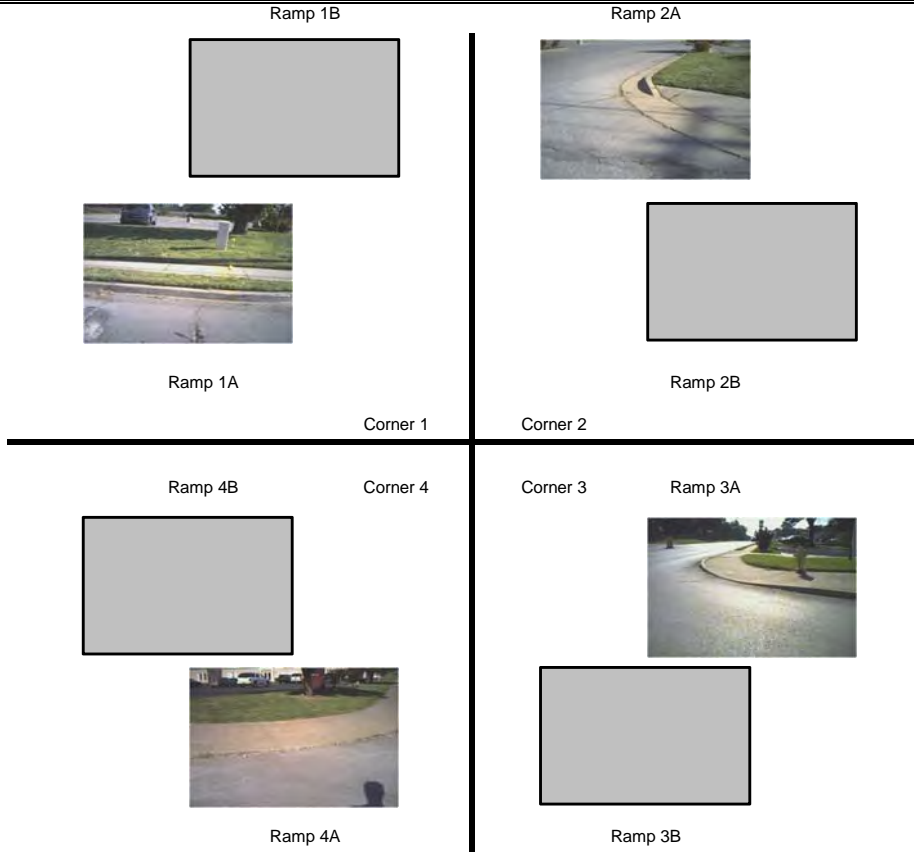
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	-	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp					X	X			
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Pittsburg Ave and E 51st St

GPS ID: 21011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,256.40
Engineering: (% +/-)	15%	\$ 2,032.97
Contingency: (% +/-)	20%	\$ 2,710.63
Estimated Project Cost:	\$	18,000.00

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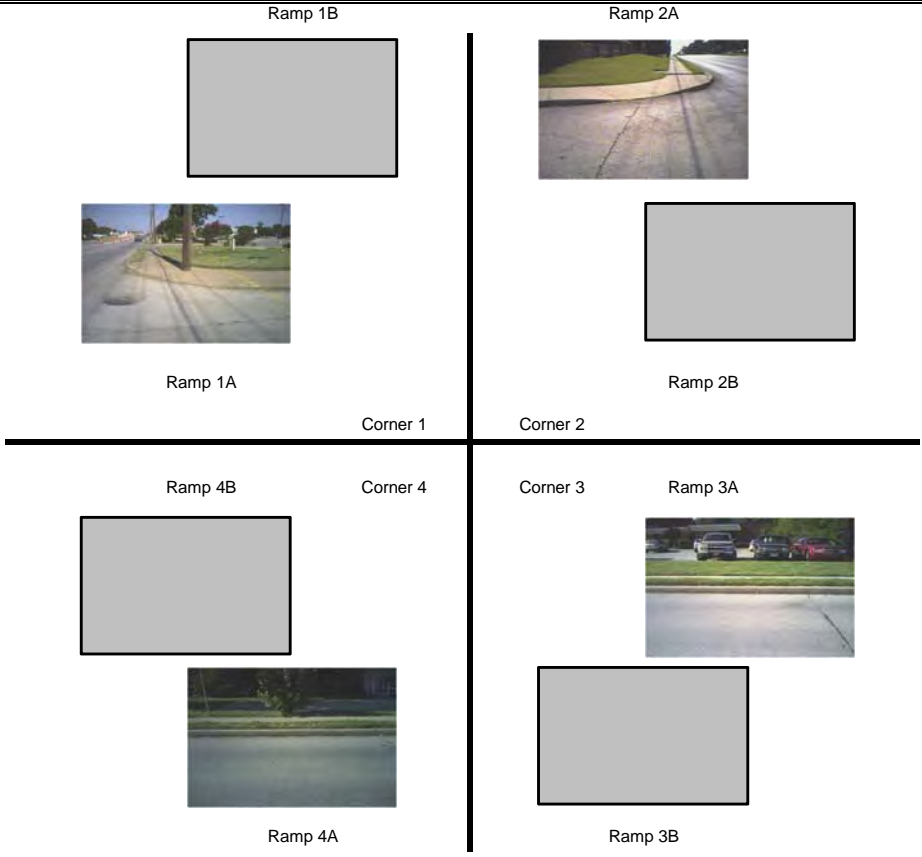
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Richmond Ave

GPS ID: 21012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

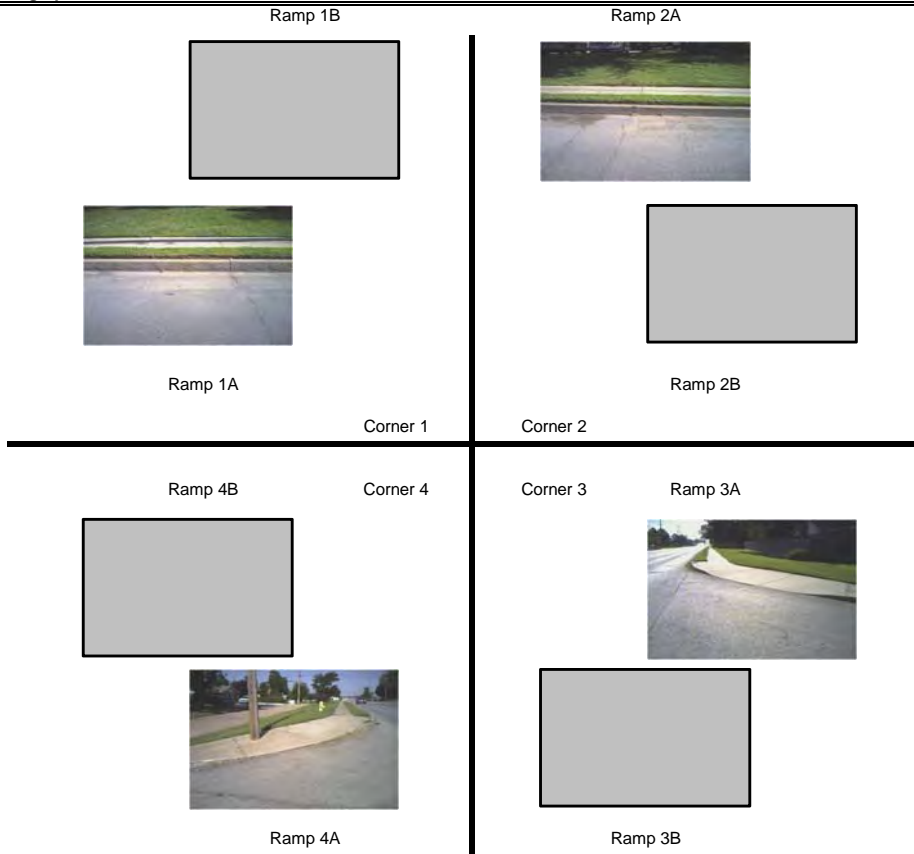
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Toledo Ave (south)

GPS ID: 21013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

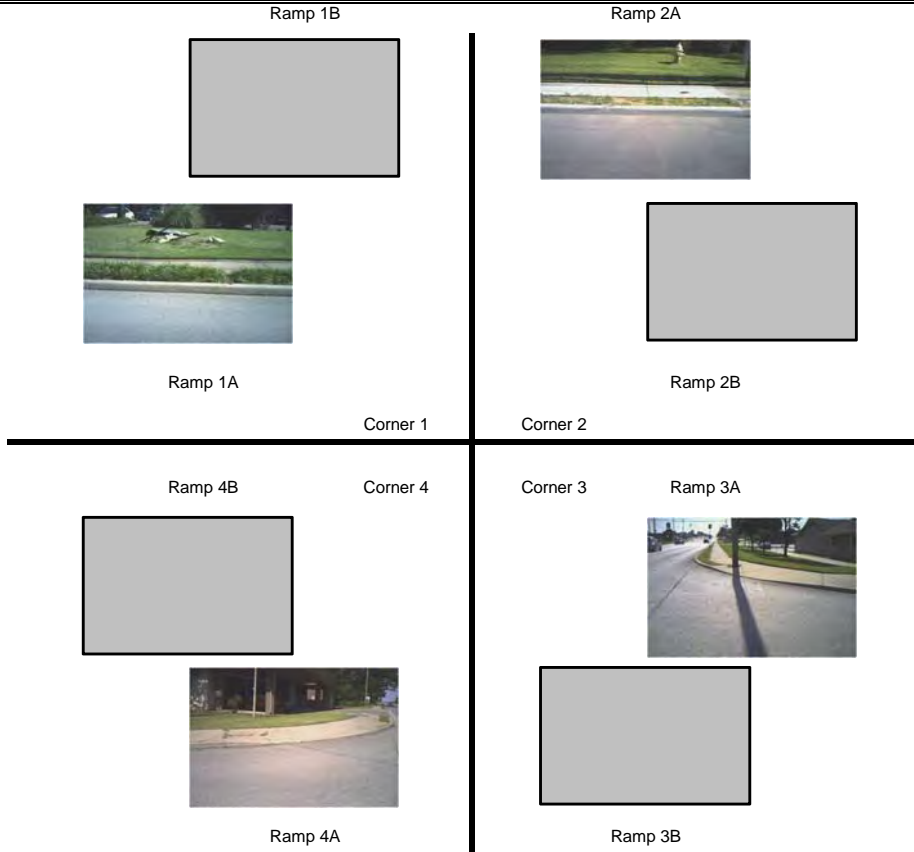
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Vandalia Ave (north)

GPS ID: 21014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,874.20
Engineering: (% +/-)	15%	\$ 2,196.77
Contingency: (% +/-)	20%	\$ 2,929.03
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Vandalia Ave (south)

GPS ID: 21015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,734.60
Engineering: (% +/-)	15%	\$ 1,828.03
Contingency: (% +/-)	20%	\$ 2,437.37
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X			X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X			X		X			Install colored truncated domes
No color contrast at base of ramp	X			X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H				H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Braden Ave

GPS ID: 21016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,388.20
Engineering: (% +/-)	15%	\$ 1,547.91
Contingency: (% +/-)	20%	\$ 2,063.89
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

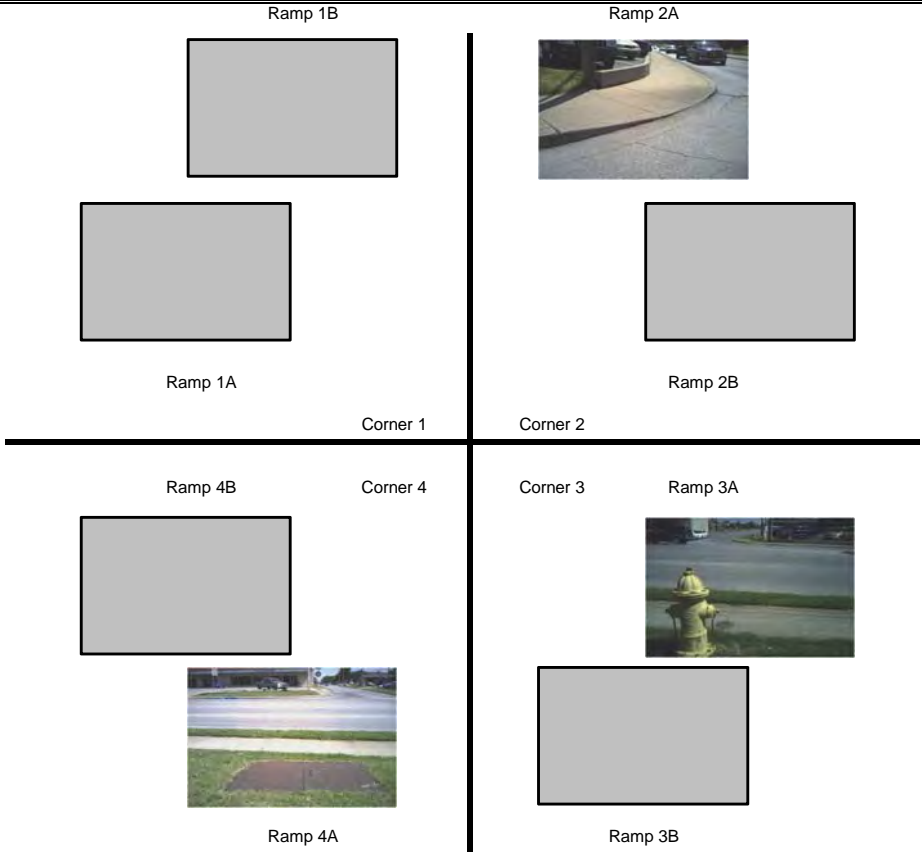
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%				X					
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X					
No color contrast at base of ramp				X					Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"				X					
Ponding occurs at base of ramp				X					
Ramp not needed due to existing geometry									Ramp Priority:
				H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Fulton Ave

GPS ID: 21017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Hudson Ave

GPS ID: 21018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

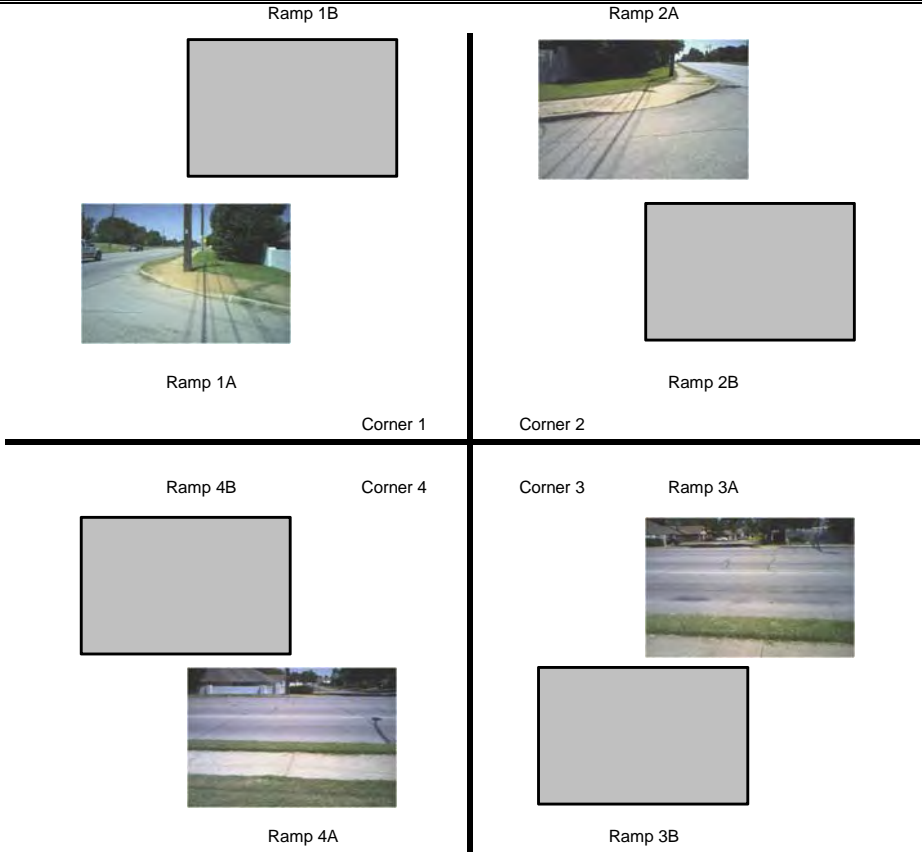
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Hudson Pl

GPS ID: 21019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

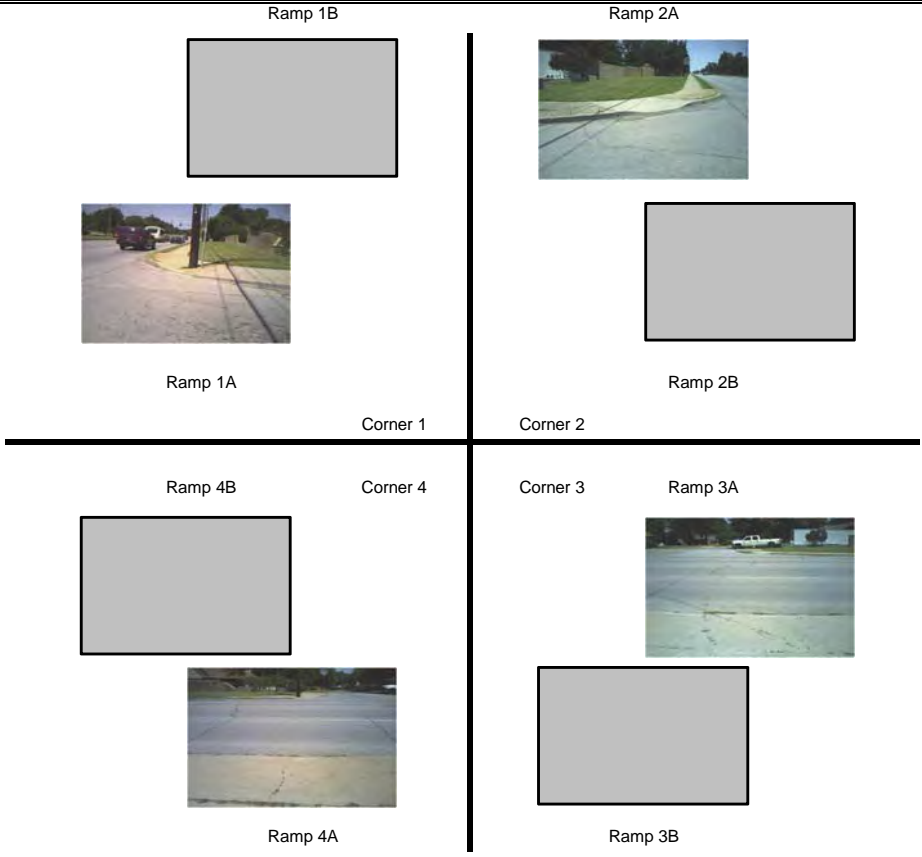
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Irvington Ave and E 51st St

GPS ID: 21020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

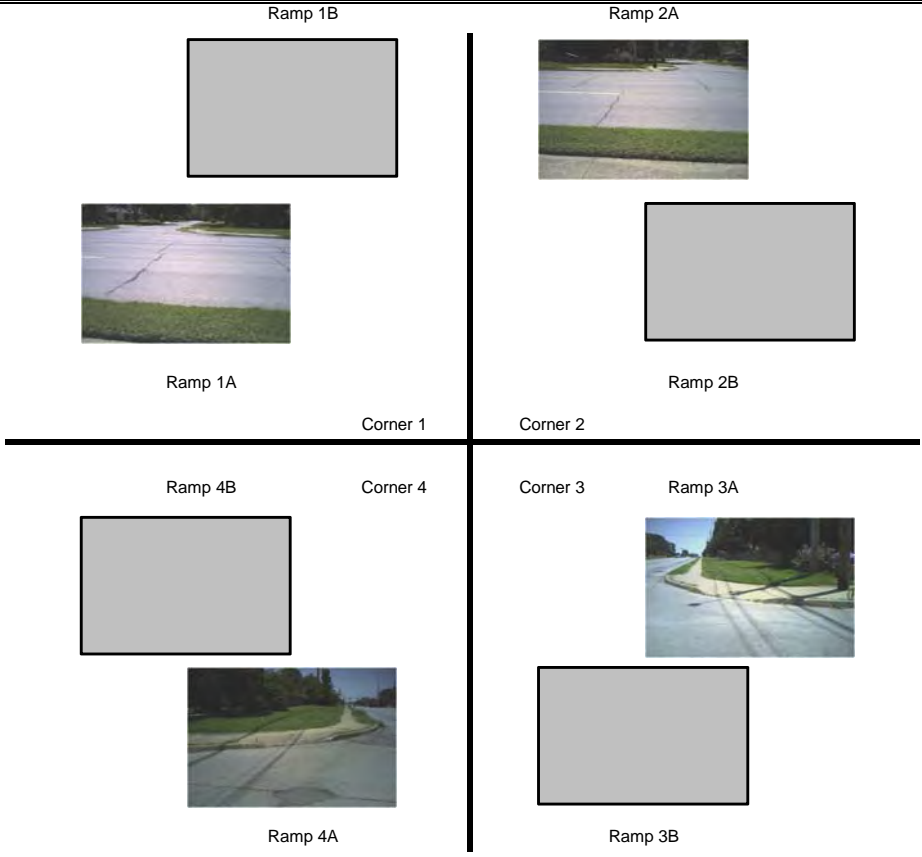
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				
No color contrast at base of ramp				X	X				Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Joplin Ave

GPS ID: 21021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,187.80
Engineering: (% +/-)	15%	\$ 3,348.09
Contingency: (% +/-)	20%	\$ 4,464.11
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

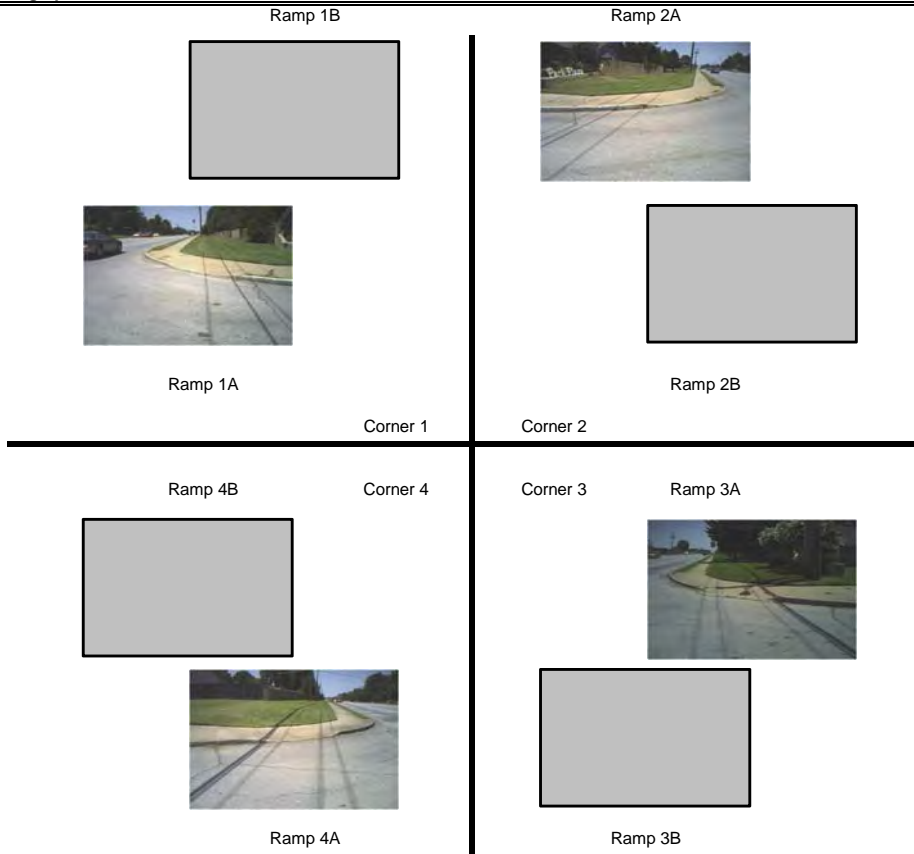
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S Lakewood Ave

GPS ID: 21022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				Remove and replace ramp
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X	X				Regrade roadway
Ponding occurs at base of ramp				X	X				
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lakewood Pl and E 51st St

GPS ID: 21023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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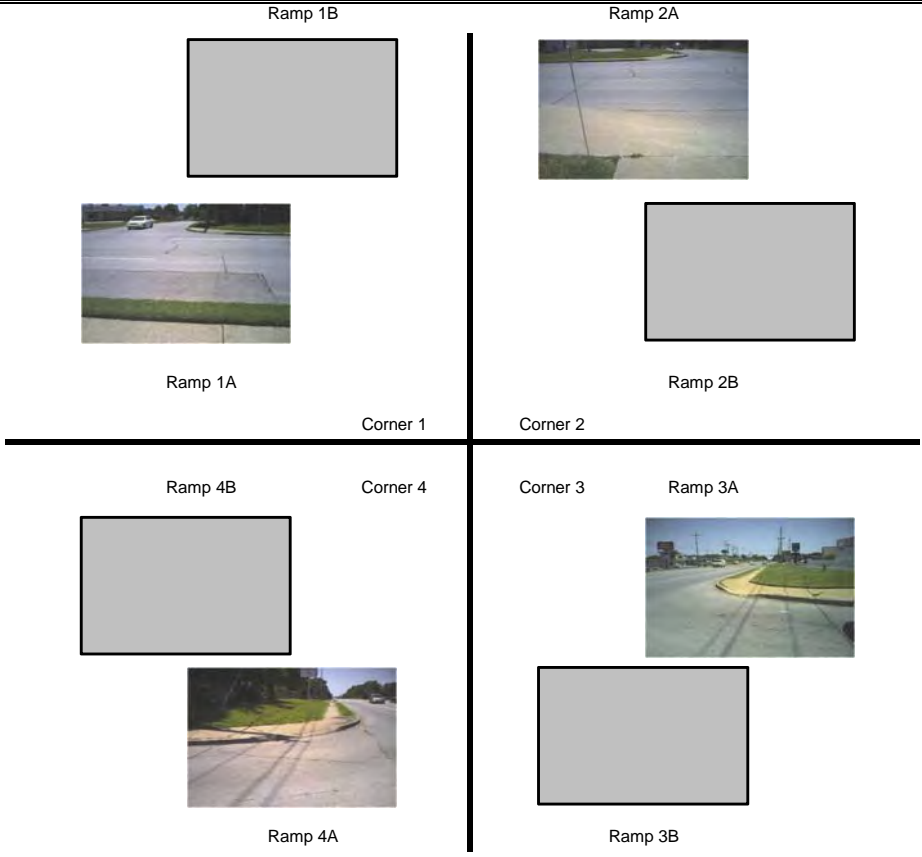
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 67th East Ave

GPS ID: 21024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,709.00
Engineering: (% +/-)	15%	\$ 2,696.14
Contingency: (% +/-)	20%	\$ 3,594.86
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 67th East Pl and E 51st St

GPS ID: 21025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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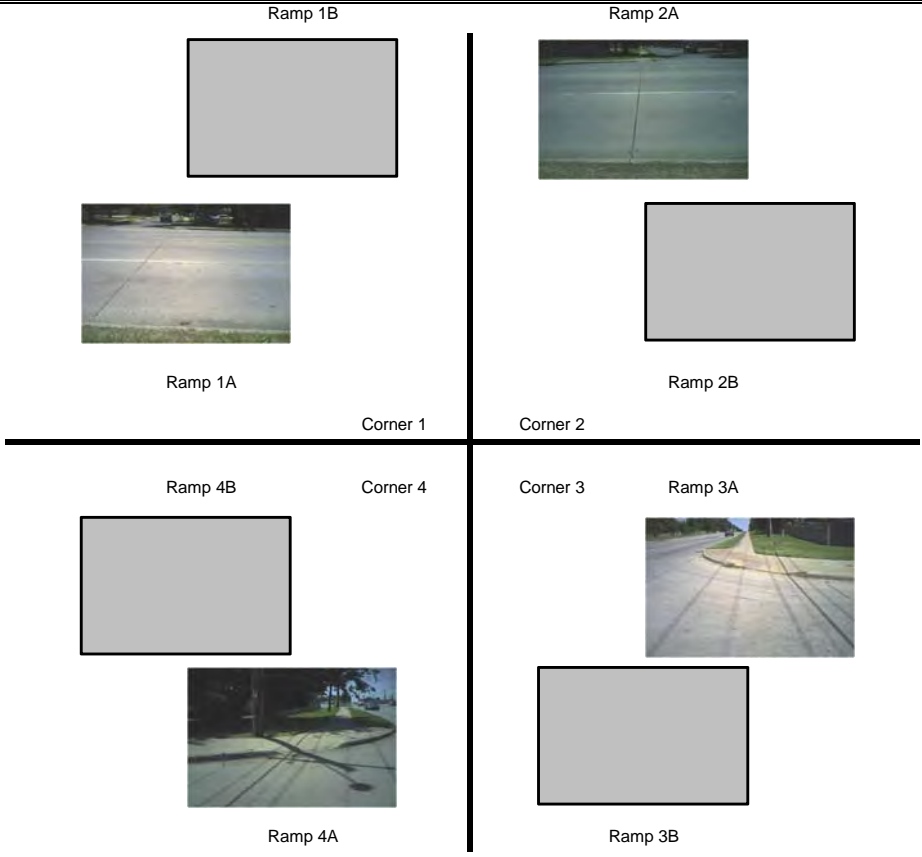
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"				X		X			
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X		X			Install colored truncated domes
No color contrast at base of ramp				X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 68th East Ave

GPS ID: 21026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

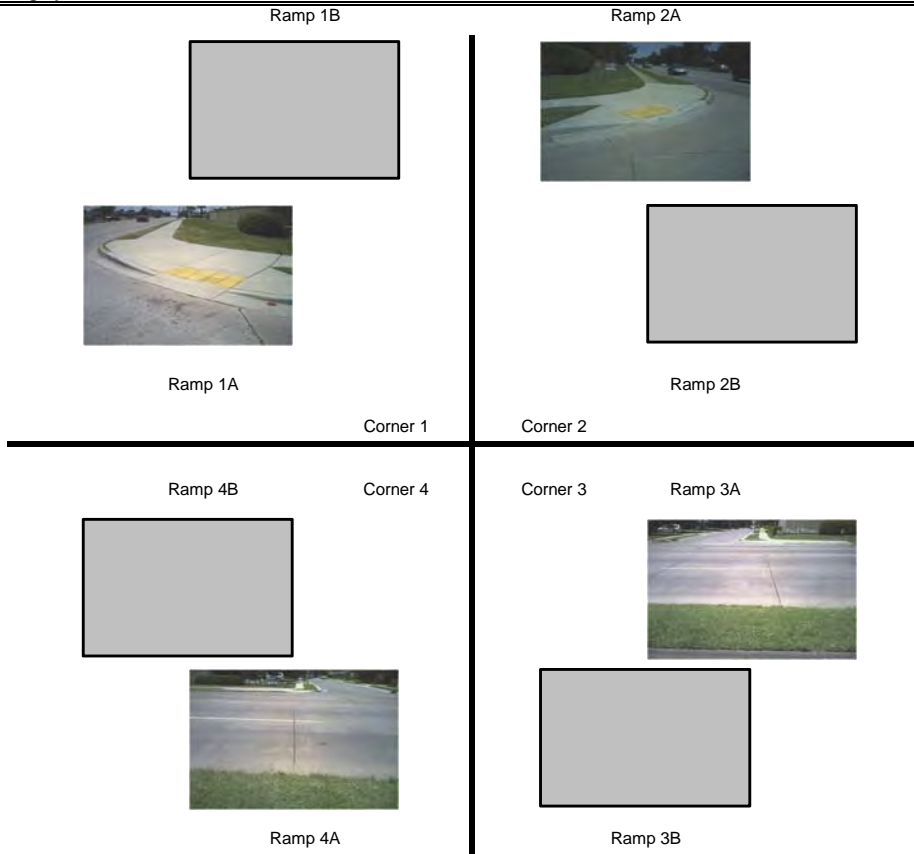
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 70th East Pl

GPS ID: 21027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 72nd East Ave

GPS ID: 21028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,386.40
Engineering: (% +/-)	15%	\$ 1,548.69
Contingency: (% +/-)	20%	\$ 2,064.91
Estimated Project Cost:	\$	12,000.00

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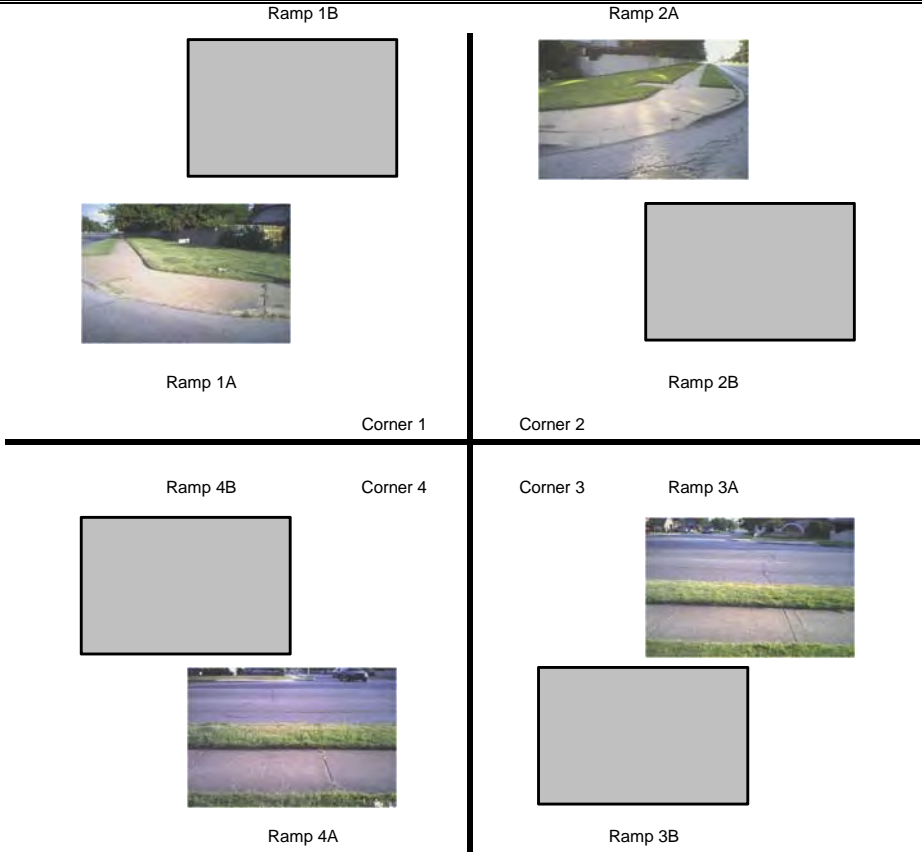
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 74th East Ave and E 51st St

GPS ID: 21029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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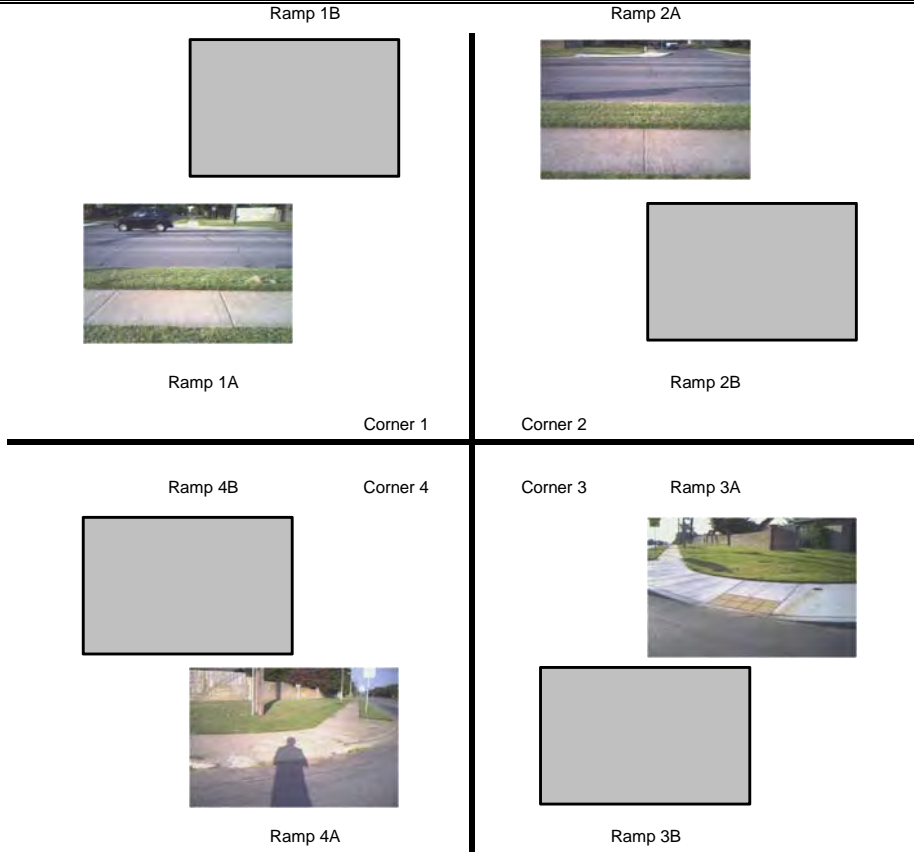
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 75th East Ave and E 51st St

GPS ID: 21030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

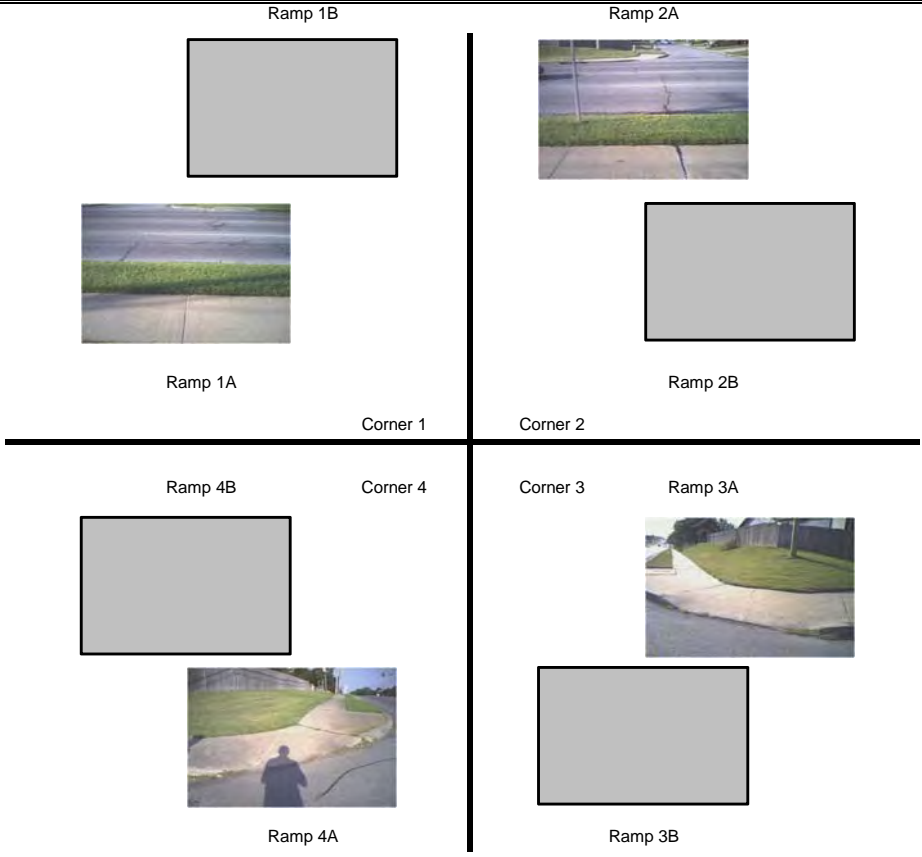
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 76th East Ave

GPS ID: 21031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"				X	X				
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 83rd East Ave

GPS ID: 21032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 94th East Ave

GPS ID: 21033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

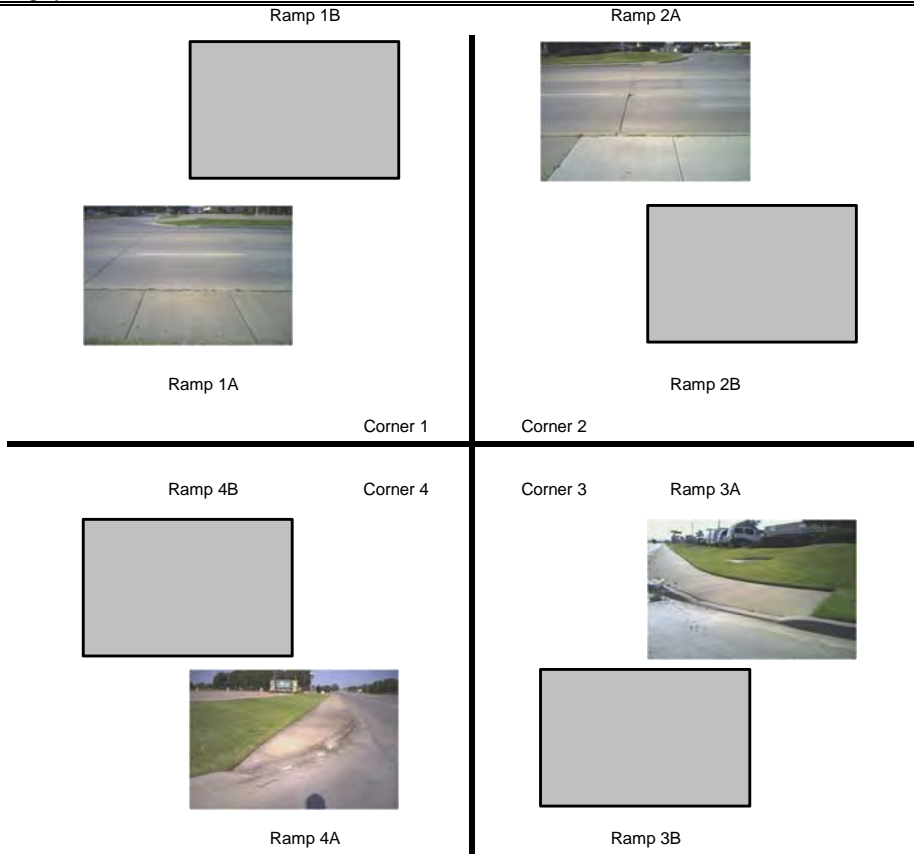
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 87th East Ave

GPS ID: 21035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,800.20
Engineering: (% +/-)	15%	\$ 1,799.91
Contingency: (% +/-)	20%	\$ 2,399.89
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk									Remove and replace ramp	
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%			X							
Ramp running slope is greater than 8.33%										
Ramp cross slope is greater than 2%			X							
Ramp width is less than 36"										
Obstruction present in ramp or landing area			X							
No textured surface at base of ramp	X		X							Install colored truncated domes
No color contrast at base of ramp	X		X							
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area	
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway	
Ramp transition onto roadway is greater than 0.25"	X		X							
Ponding occurs at base of ramp										
Ramp not needed due to existing geometry										
Ramp Priority:	H		H		-		-			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 90th East Ave

GPS ID: 21036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

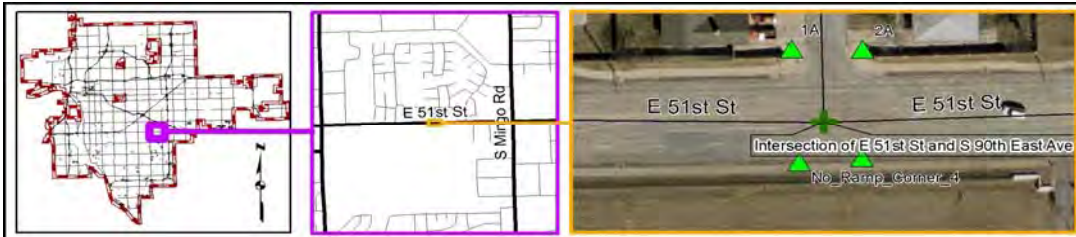
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 94th East Ave

GPS ID: 21037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 100th East Ave and E 51st St

GPS ID: 21038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,191.40
Engineering: (% +/-)	15%	\$ 1,203.69
Contingency: (% +/-)	20%	\$ 1,604.91
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

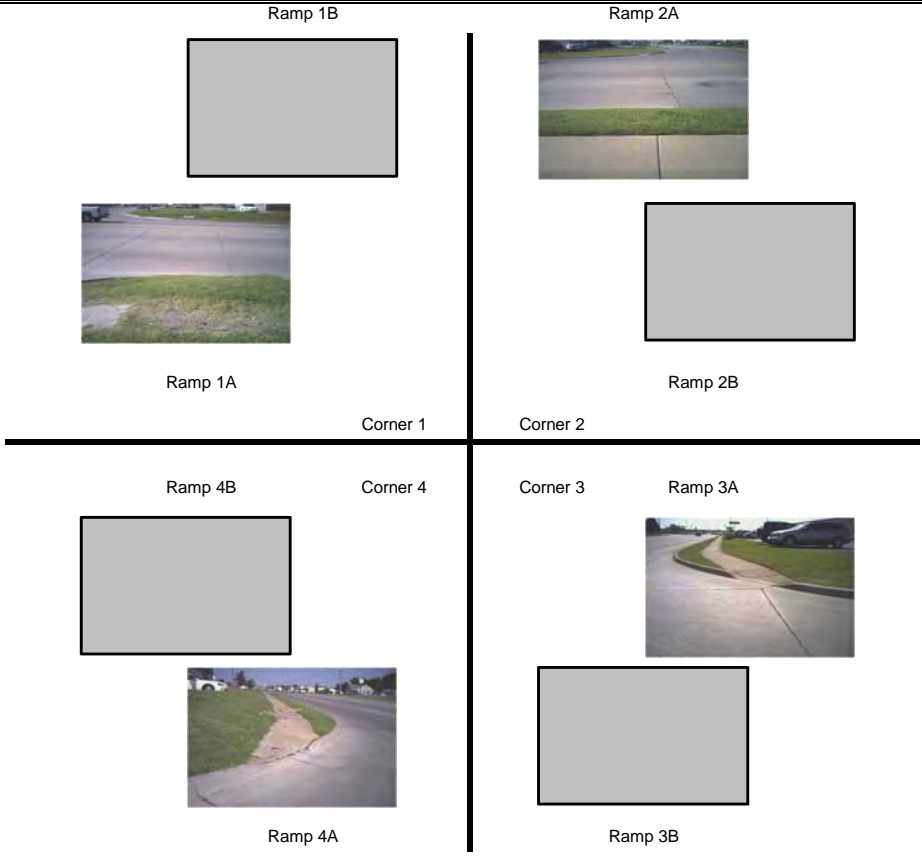
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 101st East Ave

GPS ID: 21039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 103rd East Ave

GPS ID: 21040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk			X		X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Install colored truncated domes
Ramp width is less than 36"	X								
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and S 109th East Ave

GPS ID: 21041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 110th East Ave and E 51st St

GPS ID: 21042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

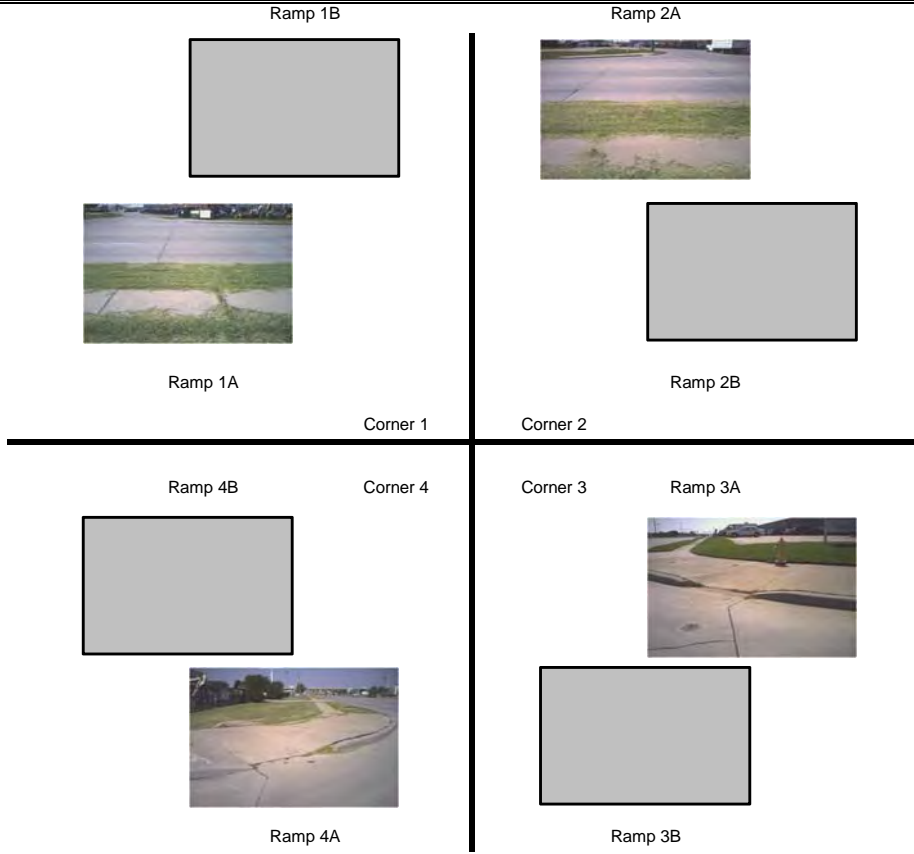
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St and SH 51 WB Entrance Ramp

GPS ID: 21043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 61st St and S 32nd West Ave

GPS ID: 22000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,517.00
Engineering: (% +/-)	15%	\$ 1,921.29
Contingency: (% +/-)	20%	\$ 2,561.71
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

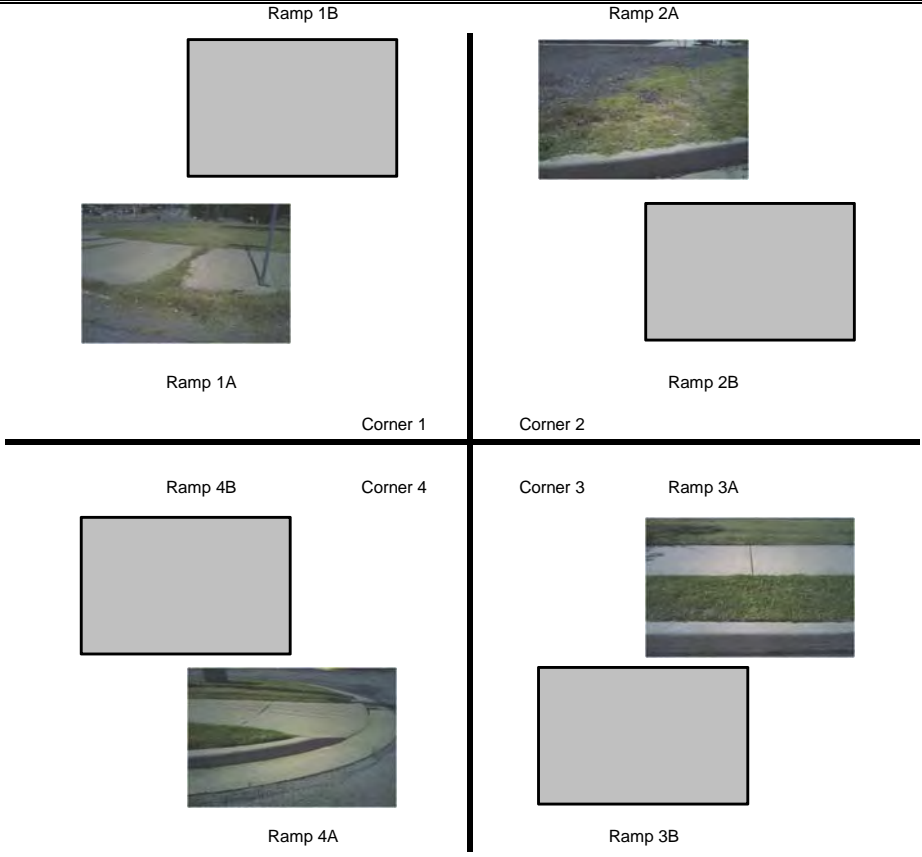
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 61st St and S 31st West Ave

GPS ID: 22001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

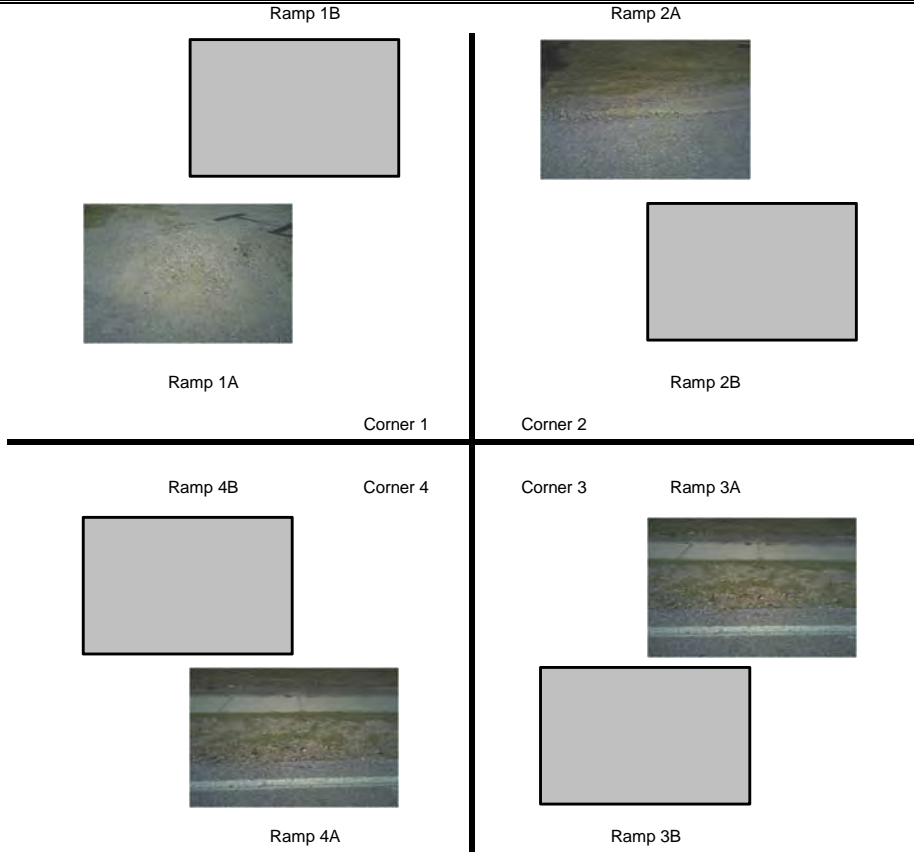
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 61st St and S 30th West Ave

GPS ID: 22002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 29th West Ave and W 61st St

GPS ID: 22003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 40.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,874.20
Engineering: (% +/-)	15%	\$ 911.06
Contingency: (% +/-)	20%	\$ 1,214.74
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

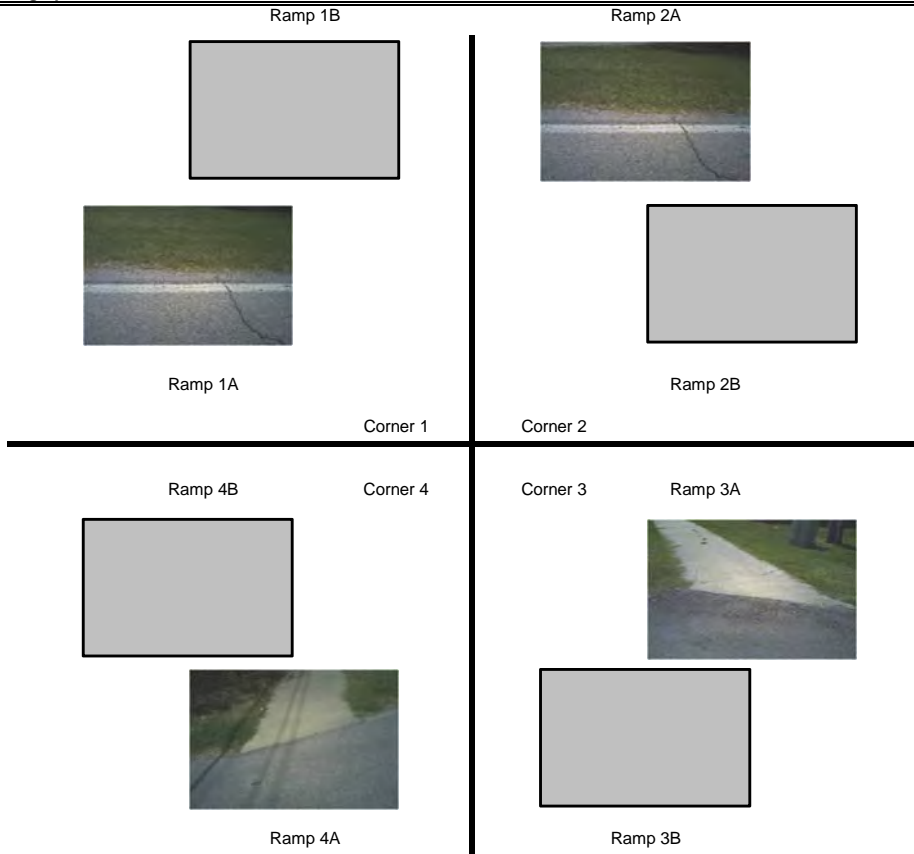
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	M	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 61st St and S 28th West Ave

GPS ID: 22004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,679.20
Engineering: (% +/-)	15%	\$ 1,851.77
Contingency: (% +/-)	20%	\$ 2,469.03
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

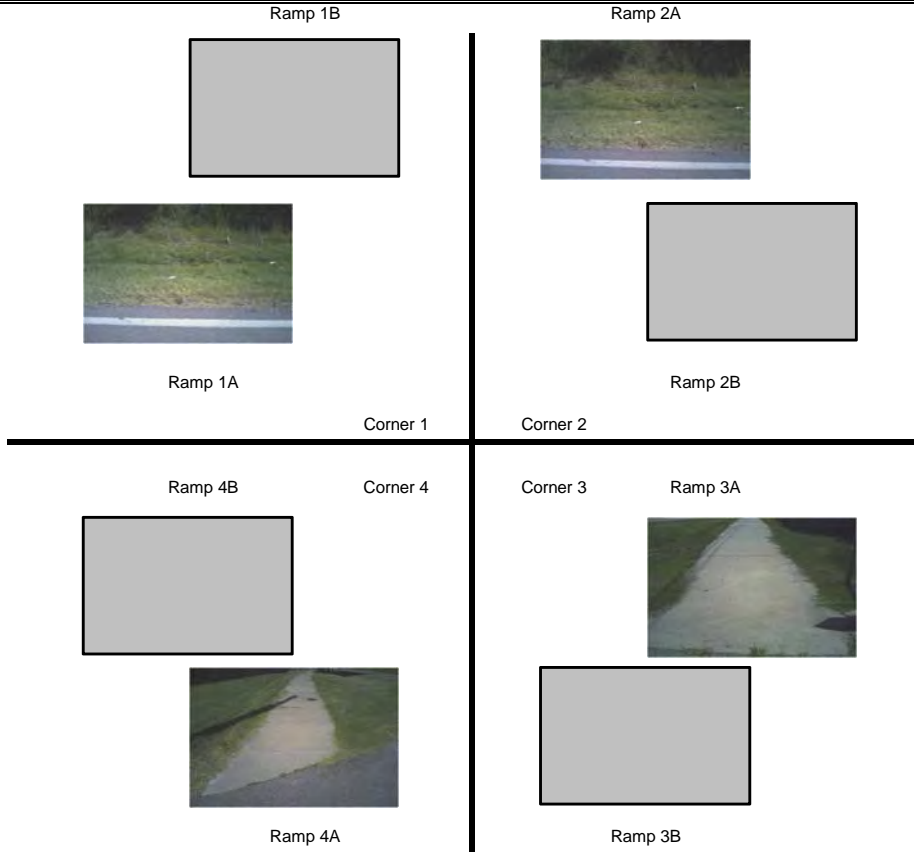
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 61st St and S Xenophon Ave

GPS ID: 22005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,363.20
Engineering: (% +/-)	15%	\$ 701.49
Contingency: (% +/-)	20%	\$ 935.31
Estimated Project Cost:	\$	5,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

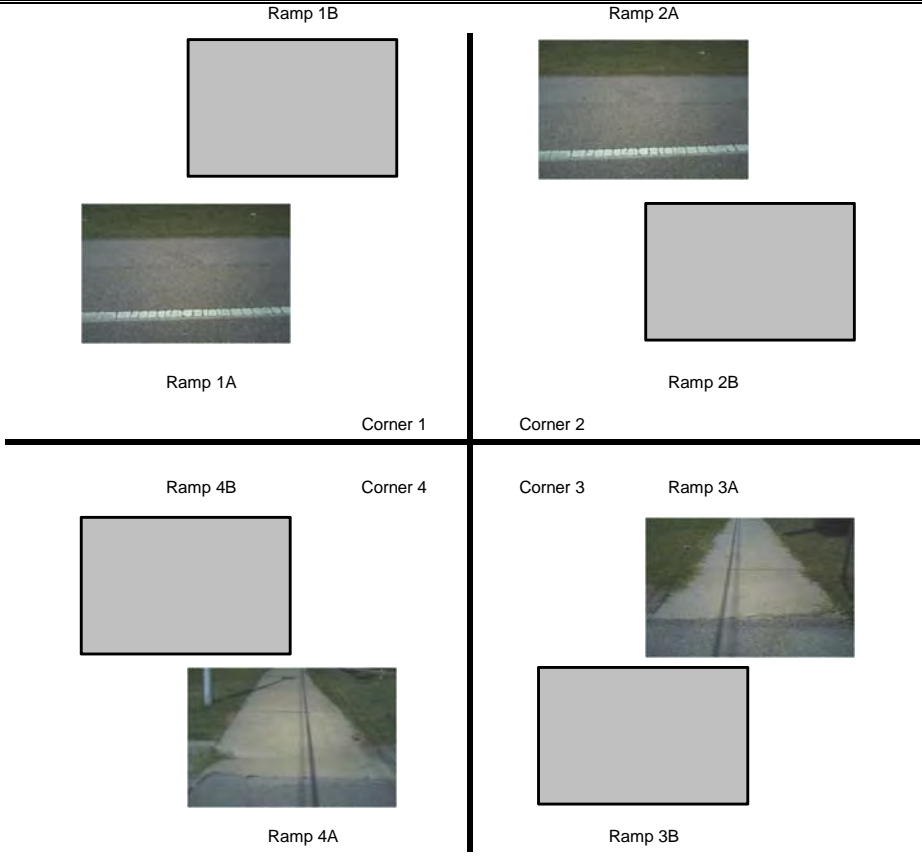
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	M	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Waco Ave and W 61st St

GPS ID: 22006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

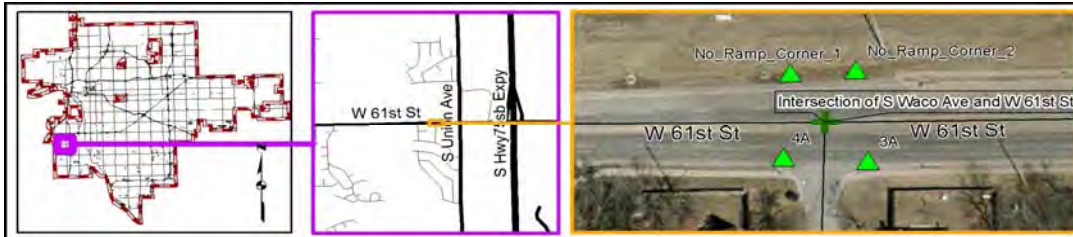
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

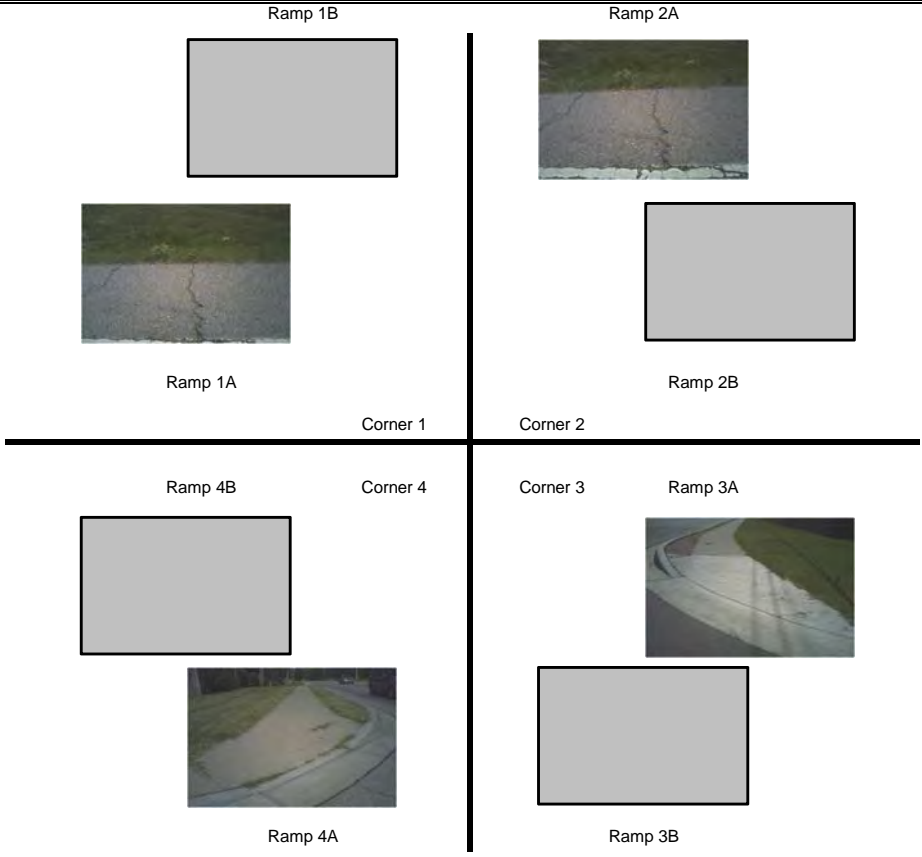
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 61st St and S Santa Fe Ave

GPS ID: 22007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	16,000.00

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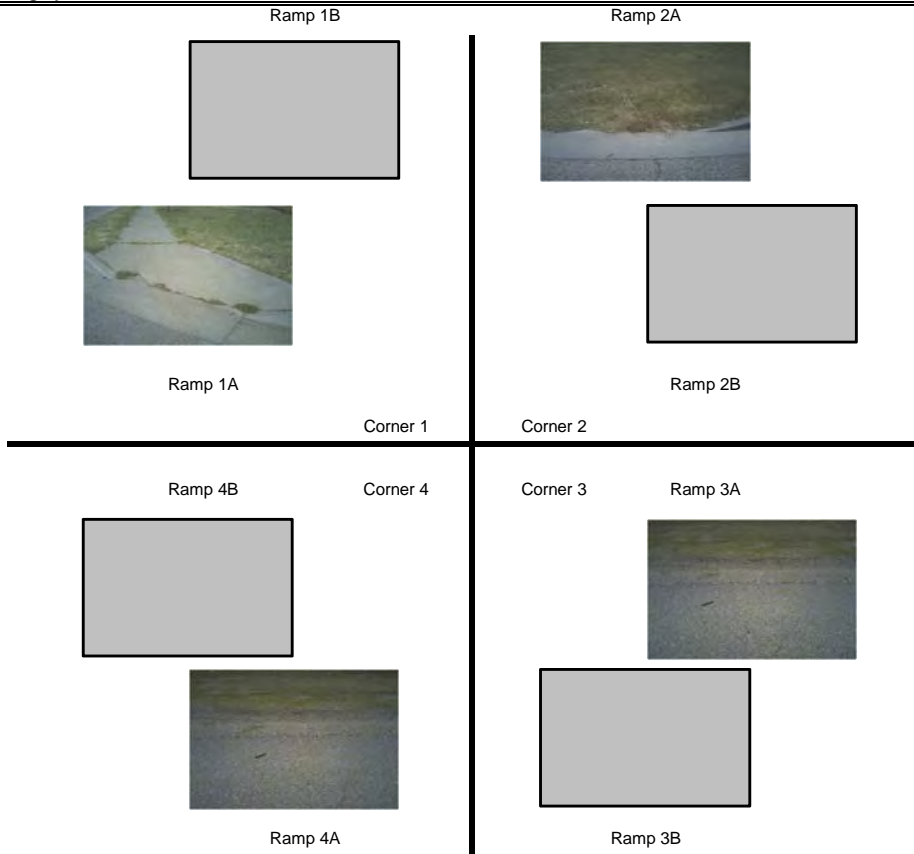
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									Install colored truncated domes
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install landing area
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Gary Ave and E 61st St

GPS ID: 22008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,192.00
Engineering: (% +/-)	15%	\$ 1,203.43
Contingency: (% +/-)	20%	\$ 1,604.57
Estimated Project Cost:	\$	9,000.00

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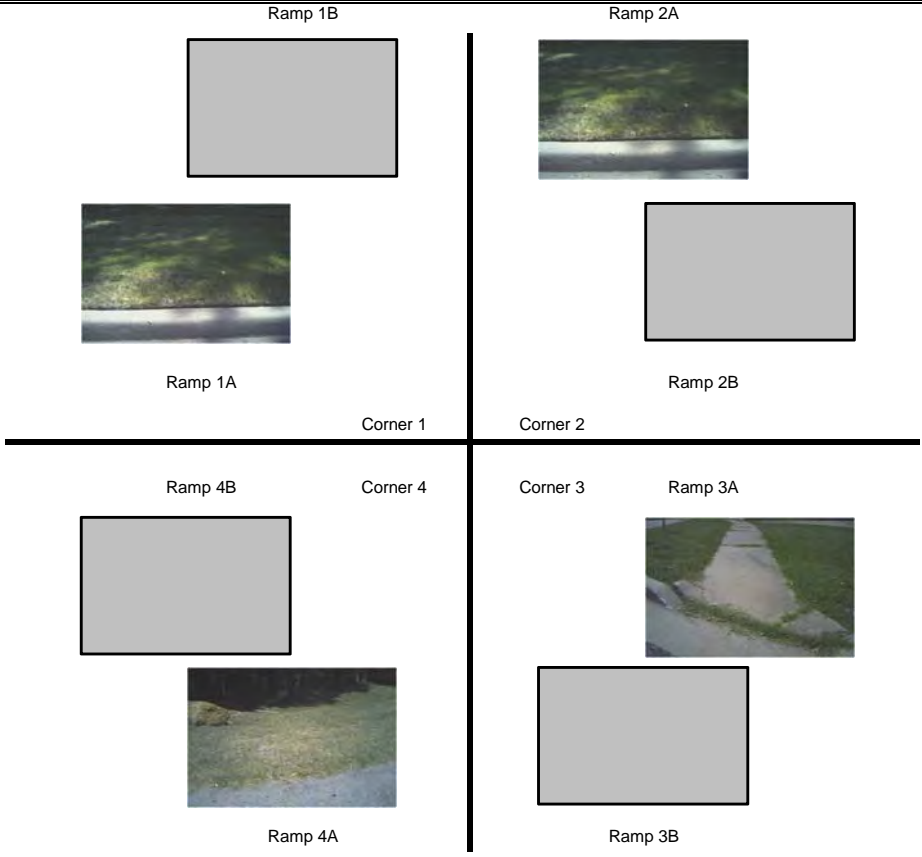
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Jamestown Ave

GPS ID: 22009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

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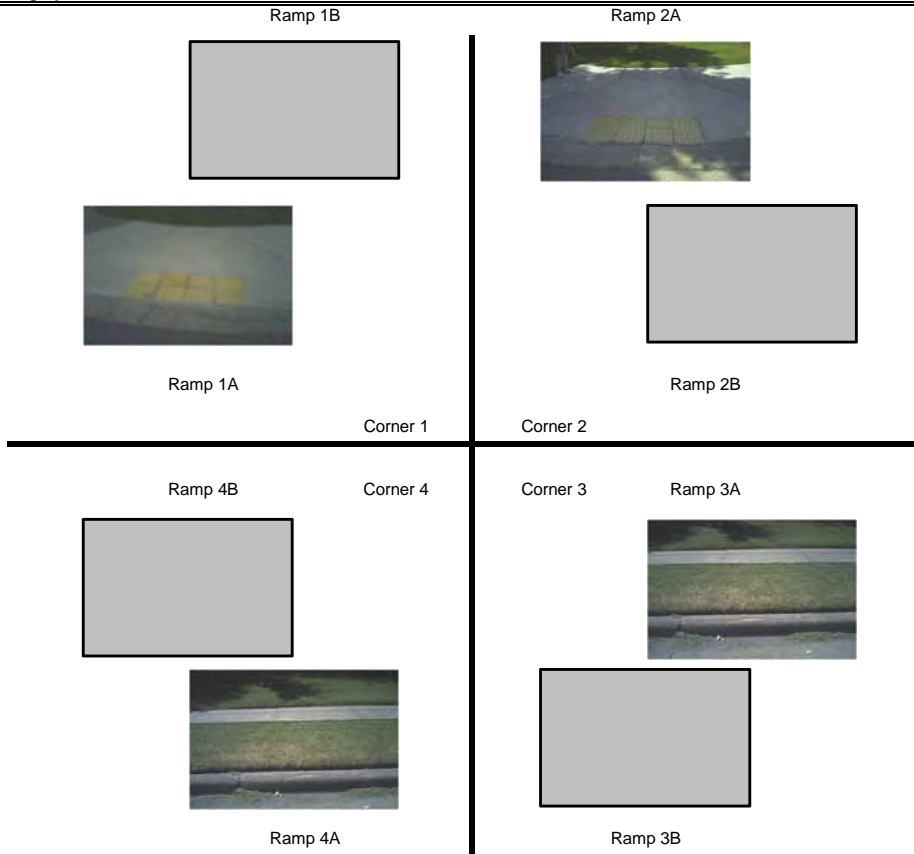
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Knoxville Ave

GPS ID: 22010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%				X					Remove and replace ramp
Ramp width is less than 36"				X					
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	-	-	M	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Louisville Ave and E 61st St

GPS ID: 22011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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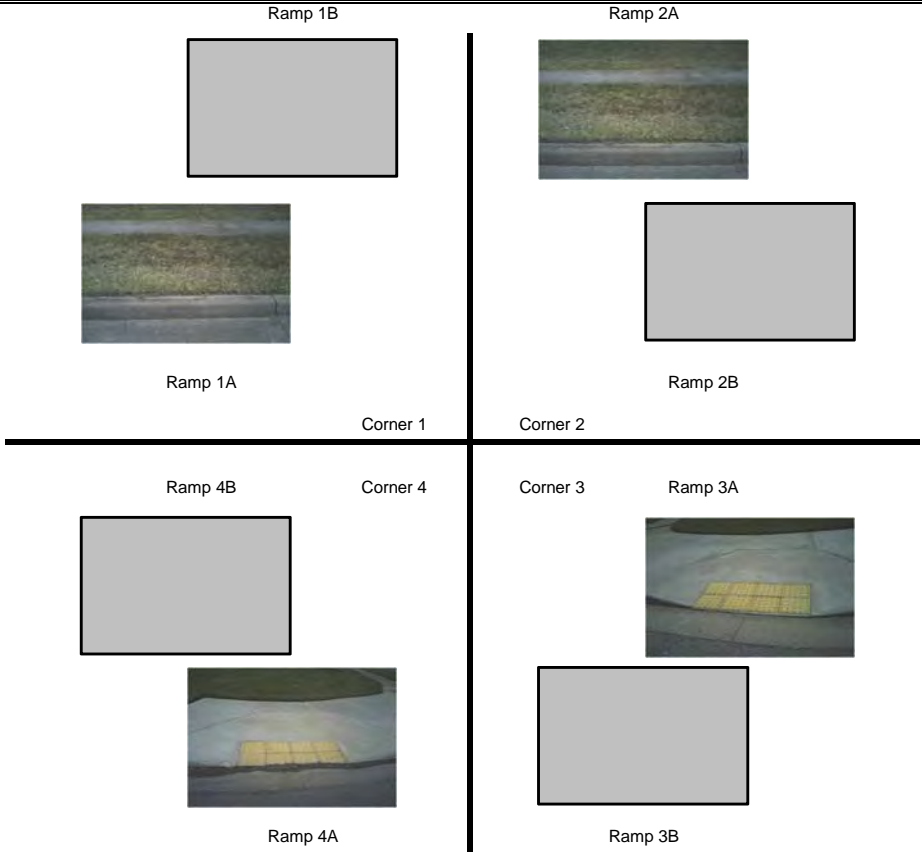
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Marion Pl

GPS ID: 22012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

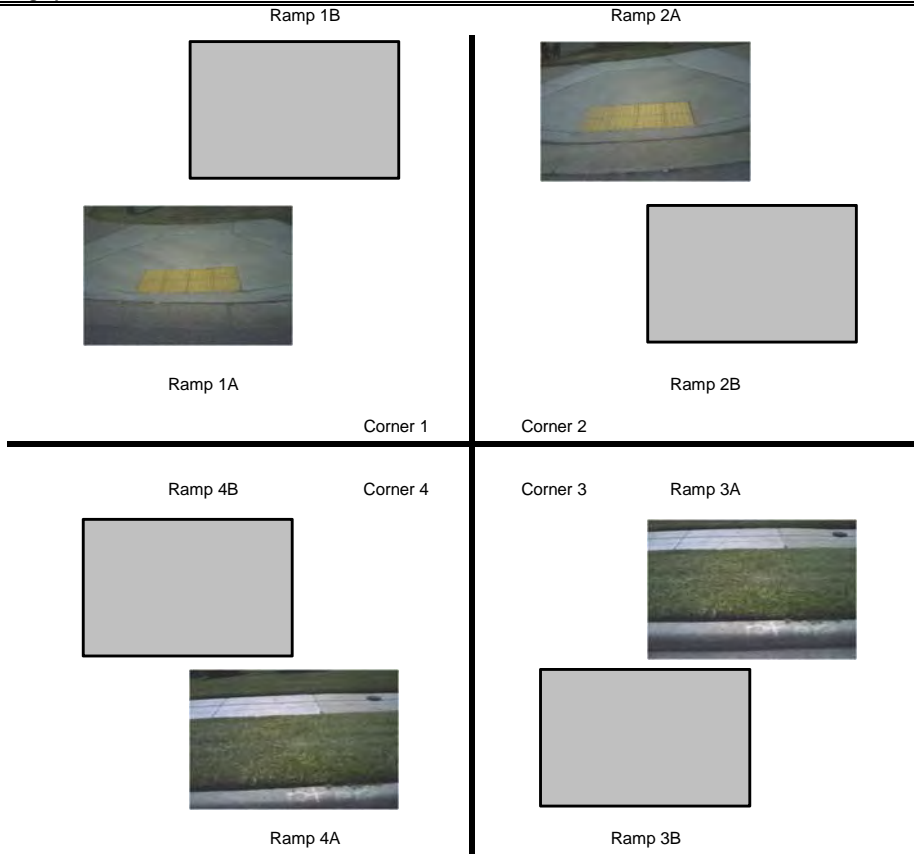
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Oswego Ave

GPS ID: 22013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,992.80
Engineering: (% +/-)	15%	\$ 2,574.51
Contingency: (% +/-)	20%	\$ 3,432.69
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

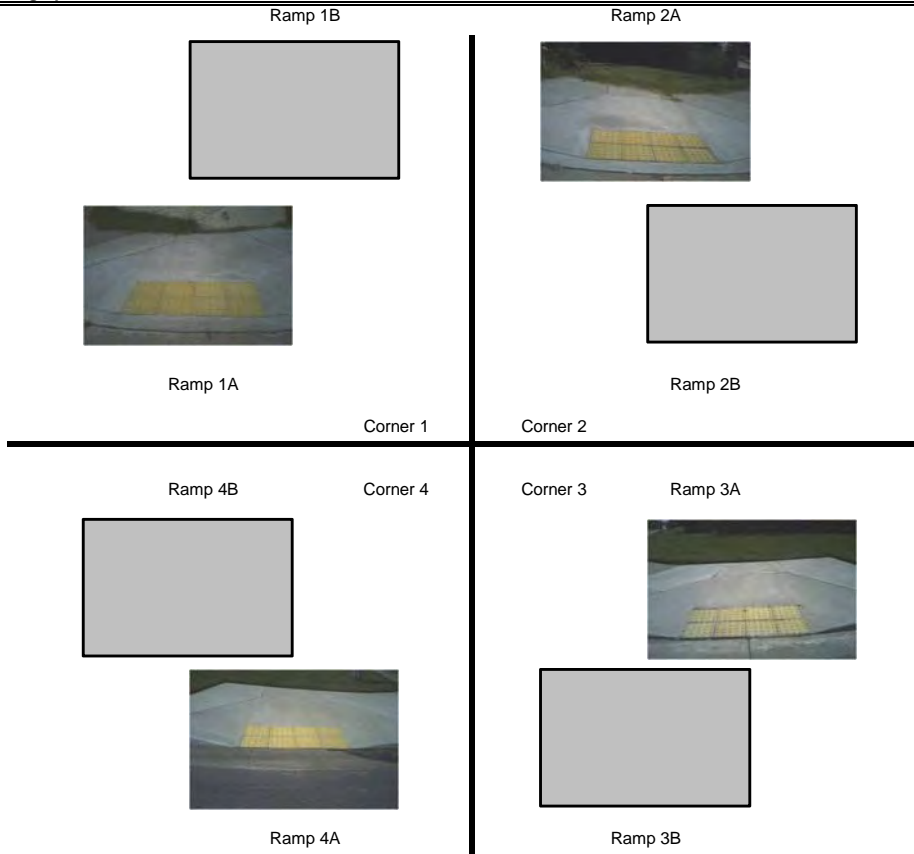
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Pittsburg Ave

GPS ID: 22014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

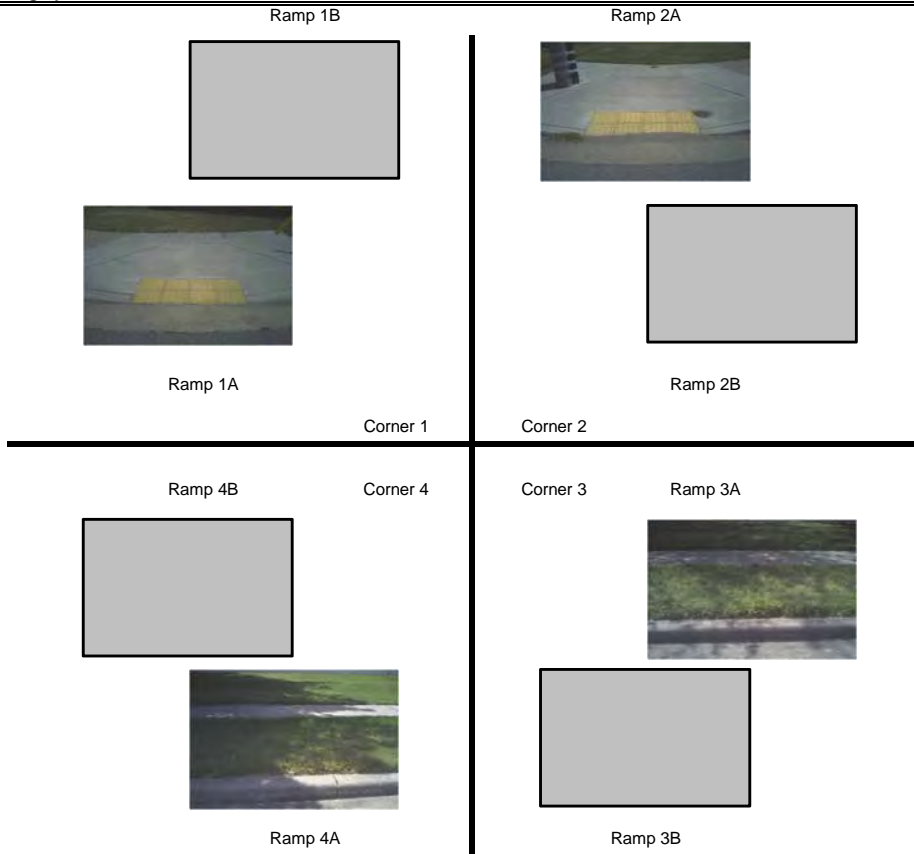
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Richmond Ave and E 61st St

GPS ID: 22015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

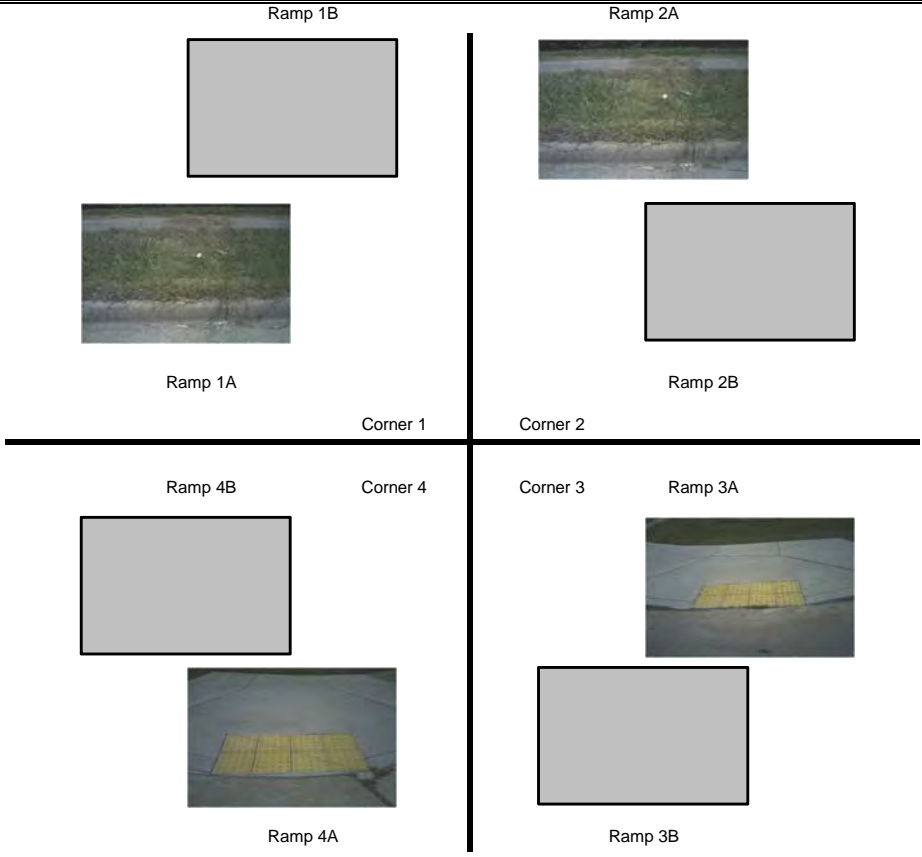
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			Remove and replace ramp
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"					X	X			
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Urbana Ave

GPS ID: 22016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

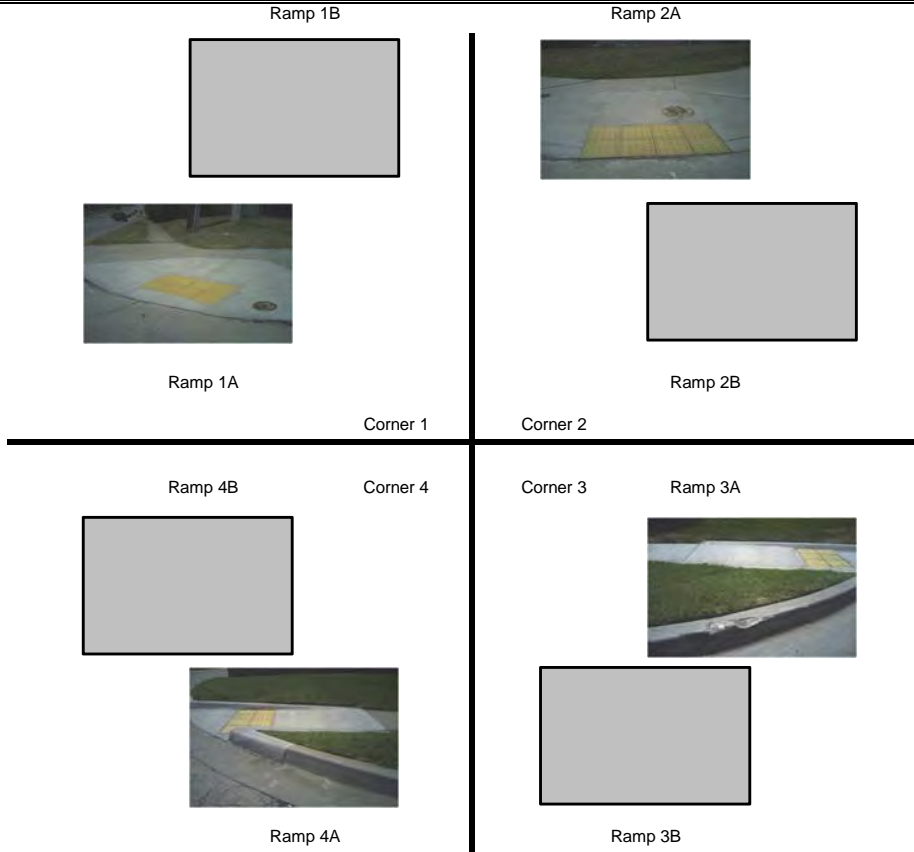
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Hudson Ave (south)

GPS ID: 22017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,191.40
Engineering: (% +/-)	15%	\$ 2,060.83
Contingency: (% +/-)	20%	\$ 2,747.77
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

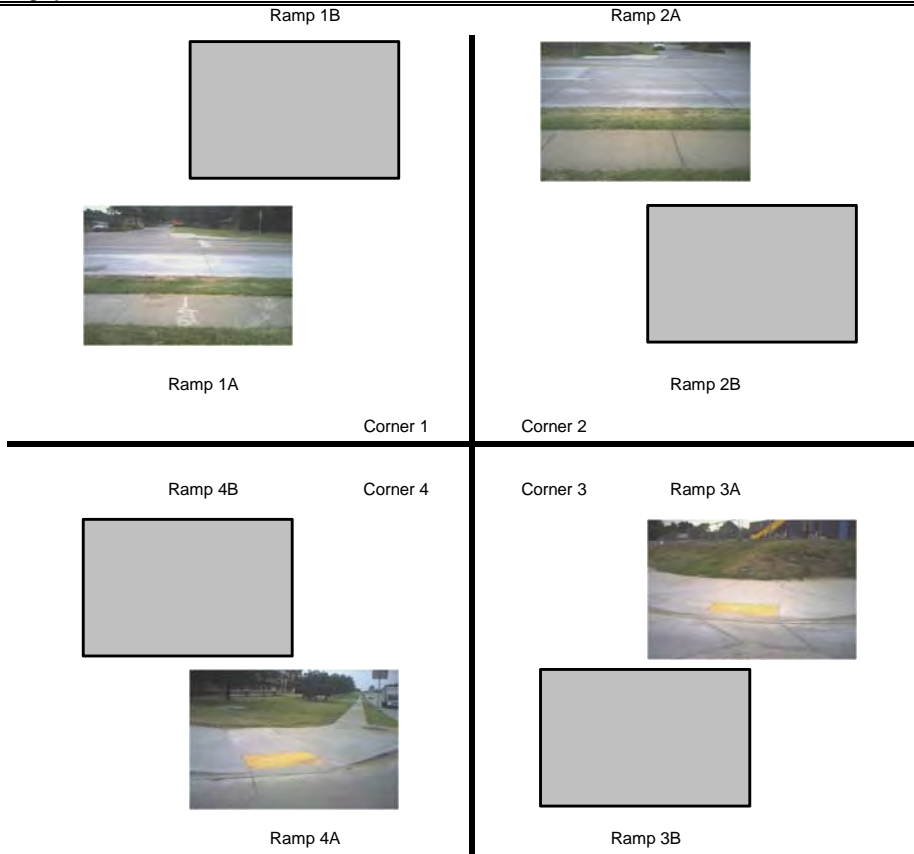
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Irvington Ave

GPS ID: 22018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	50.02	SY	\$ 10.00	\$ 500.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,213.40
Engineering: (% +/-)	15%	\$ 1,622.83
Contingency: (% +/-)	20%	\$ 2,163.77
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

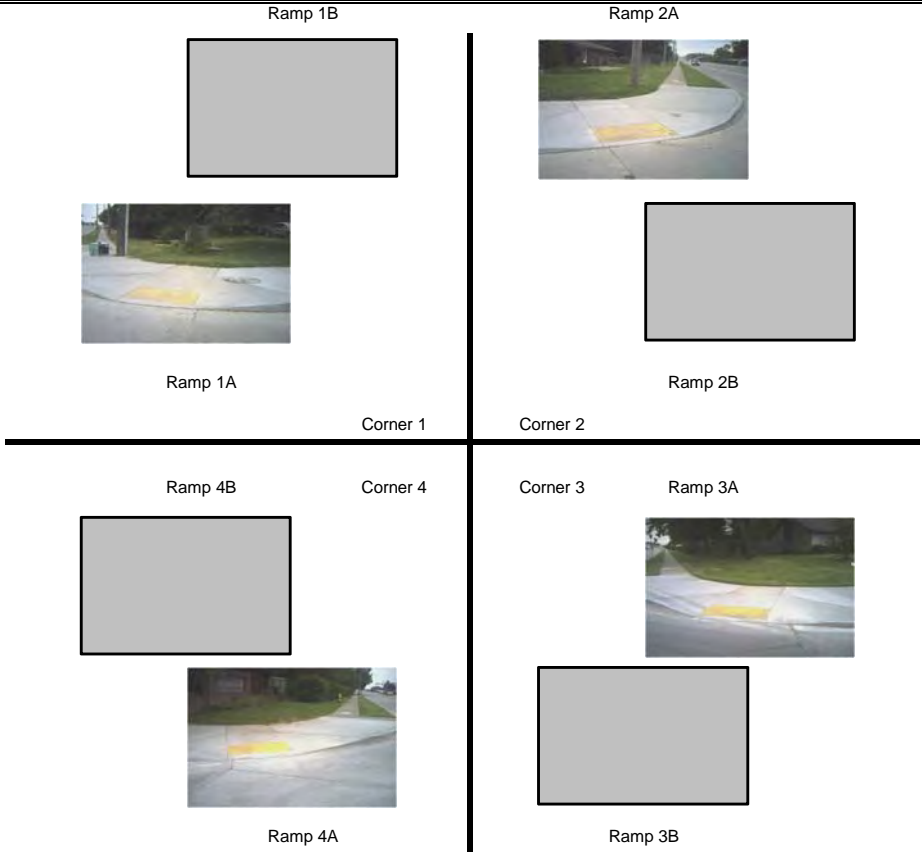
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Kingston Ave and E 61st St

GPS ID: 22019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,700.60
Engineering: (% +/-)	15%	\$ 2,699.74
Contingency: (% +/-)	20%	\$ 3,599.66
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

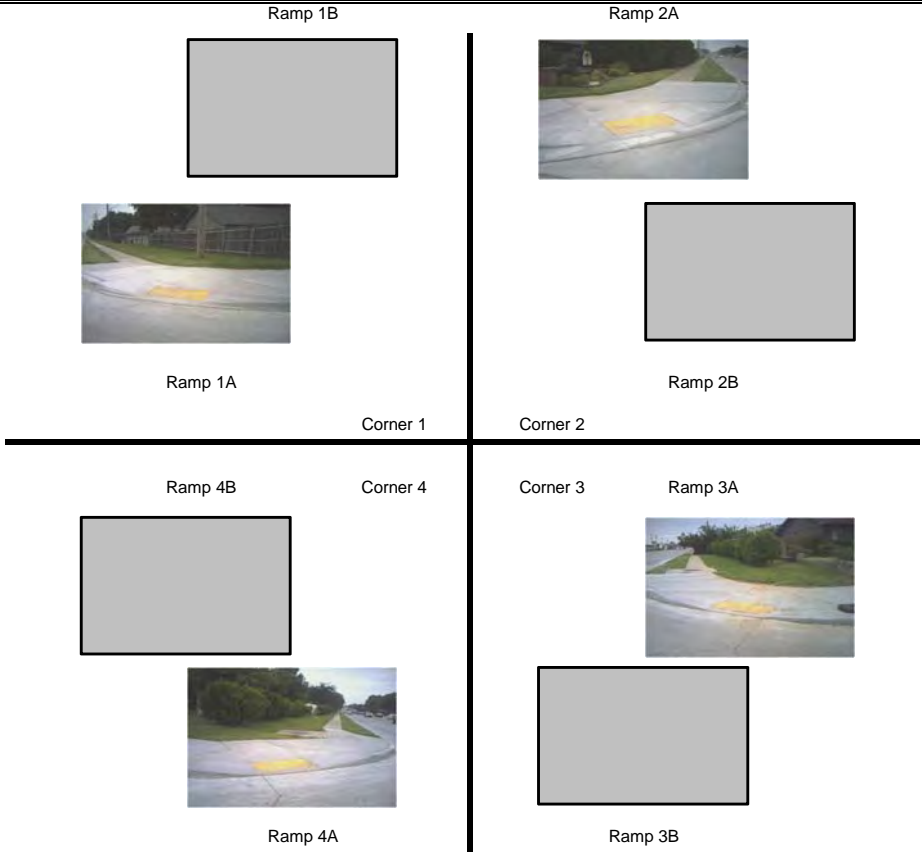
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X					X	
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X					X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Lakewood Ave

GPS ID: 22020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

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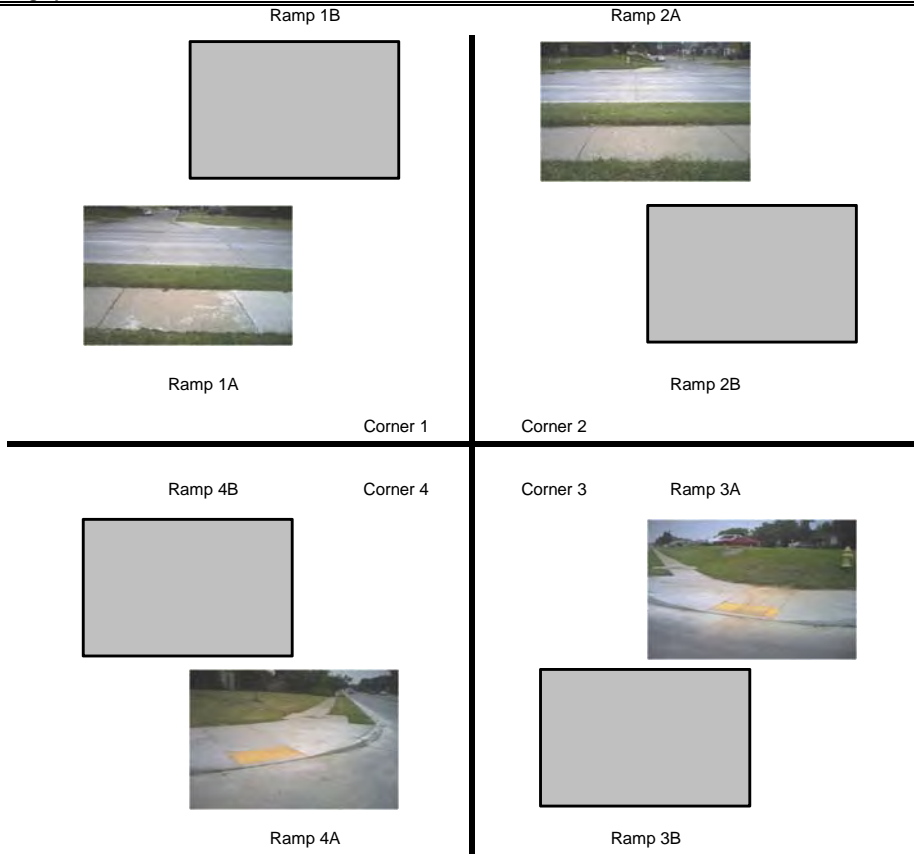
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S Maplewood Ave

GPS ID: 22021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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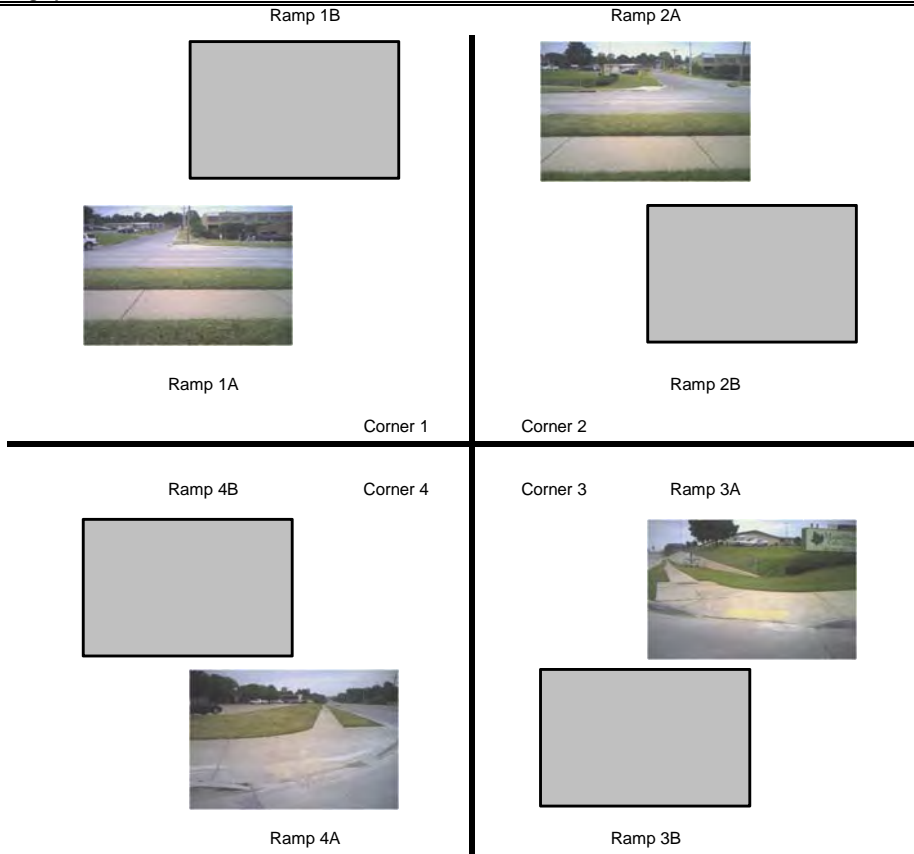
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 66th East Ave

GPS ID: 22022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						Install colored truncated domes
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and E 60th PI (west)

GPS ID: 22023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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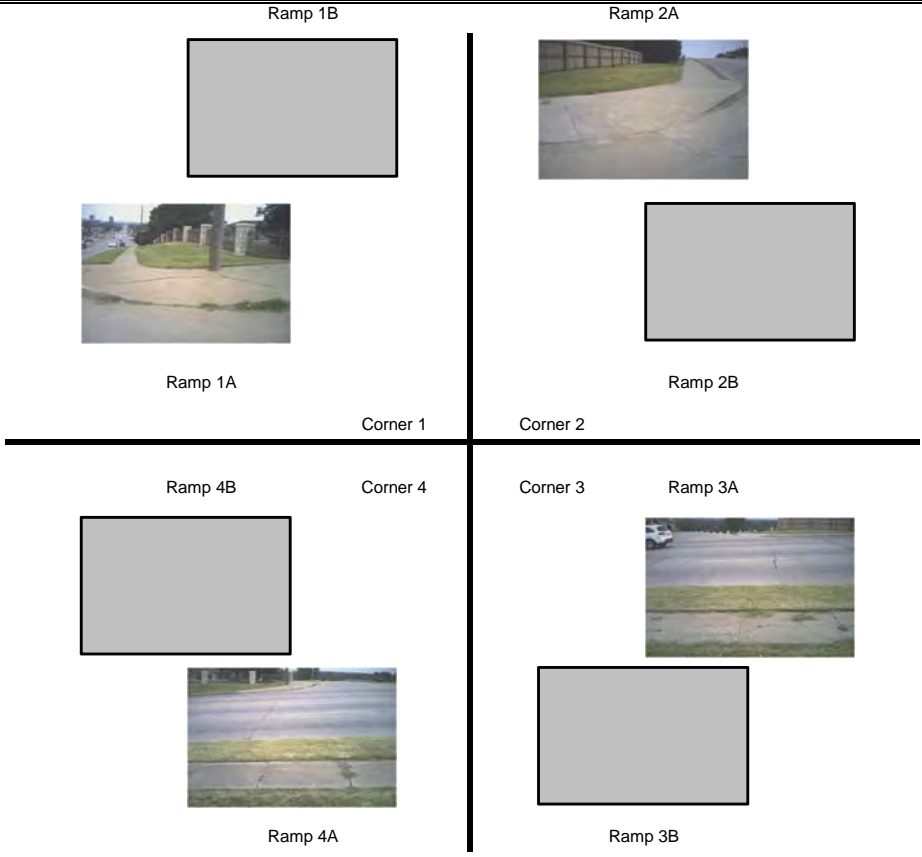
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						Install colored truncated domes
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Ramp Priority:
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Ramp Priority:
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and E 60th PI (east)

GPS ID: 22024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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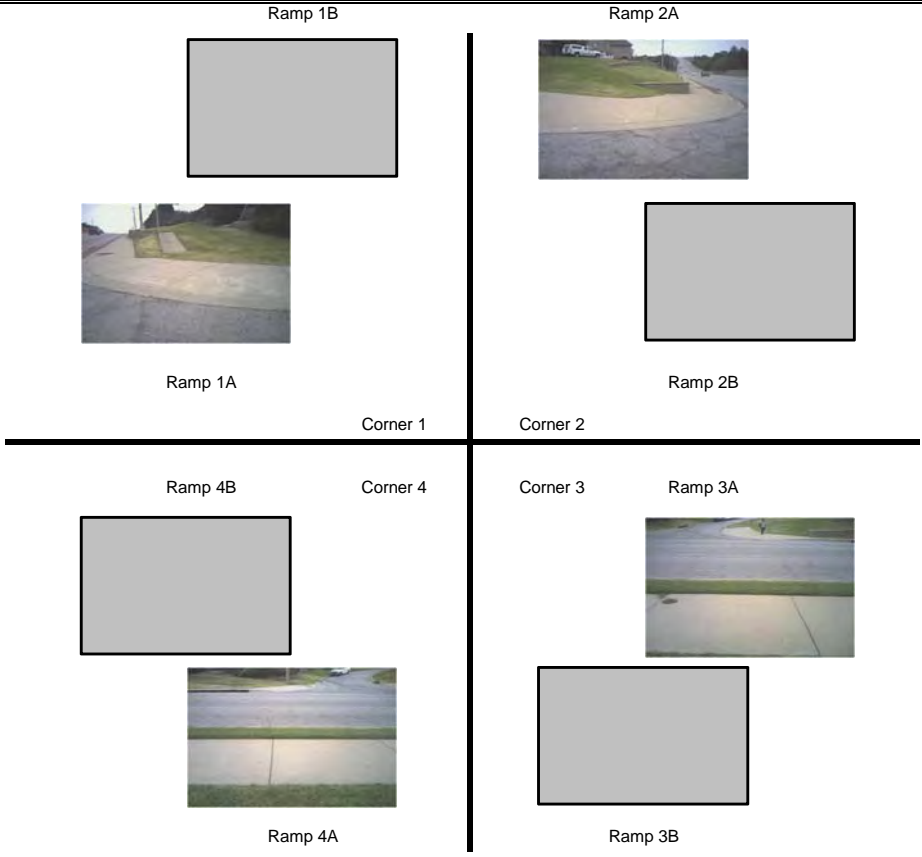
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									Install colored truncated domes
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 72nd East Ave and E 61st St

GPS ID: 22025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,382.80
Engineering: (% +/-)	15%	\$ 4,121.66
Contingency: (% +/-)	20%	\$ 5,495.54
Estimated Project Cost:	\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X		X		X		
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 74th East Ave

GPS ID: 22026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 75th East Ave

GPS ID: 22027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,256.40
Engineering: (% +/-)	15%	\$ 2,032.97
Contingency: (% +/-)	20%	\$ 2,710.63
Estimated Project Cost:	\$	16,000.00

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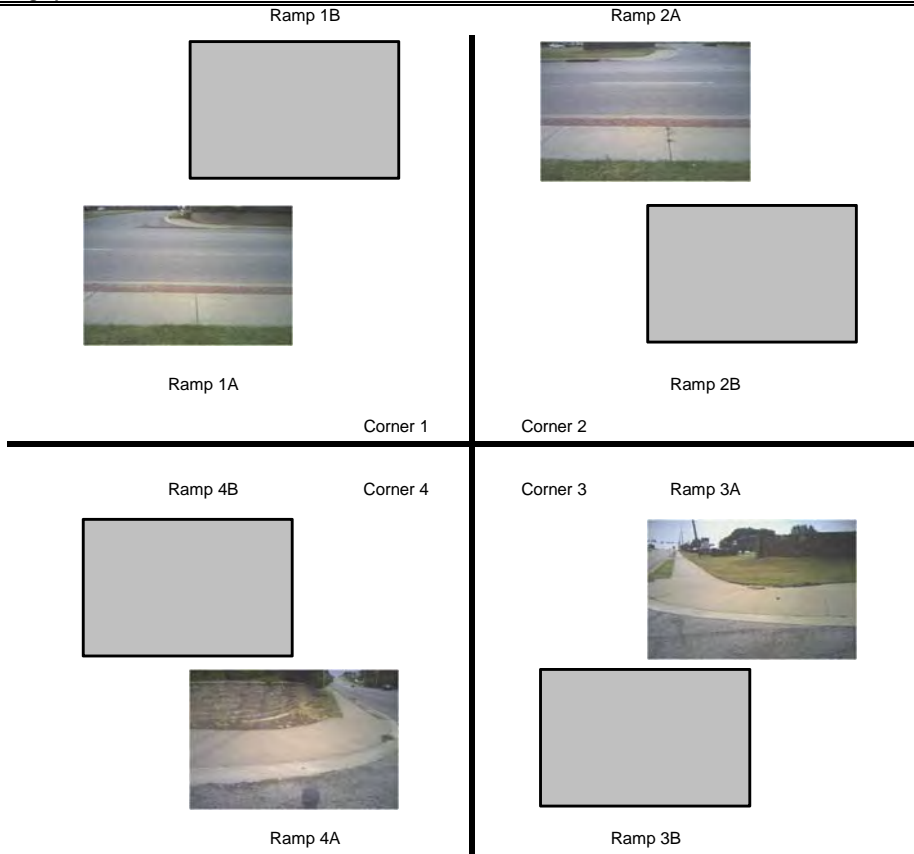
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				Remove and replace ramp
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X	X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area				X	X				
No textured surface at base of ramp				X	X				
No color contrast at base of ramp				X	X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	-	-		H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of 85th E Ave / S 86th East Ave and E 61st St

GPS ID: 22029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,317.80
Engineering: (% +/-)	15%	\$ 4,149.51
Contingency: (% +/-)	20%	\$ 5,532.69
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk									Remove and replace ramp	
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%			X	X	X	X	X	X		
Ramp running slope is greater than 8.33%	X							X		
Ramp cross slope is greater than 2%	X		X	X	X	X	X	X		
Ramp width is less than 36"										
Obstruction present in ramp or landing area			X							
No textured surface at base of ramp	X		X	X	X	X	X	X		Install colored truncated domes
No color contrast at base of ramp	X		X	X	X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X	X	X	Install landing area	
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway	
Ponding occurs at base of ramp	X		X	X	X	X	X	X		
Ramp not needed due to existing geometry										
Ramp Priority:	H		H	H	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 89th East Ave

GPS ID: 22030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 90th East Ave

GPS ID: 22031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area					X		X		Install colored truncated domes
No textured surface at base of ramp					X		X		
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 92nd East Ave

GPS ID: 22032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

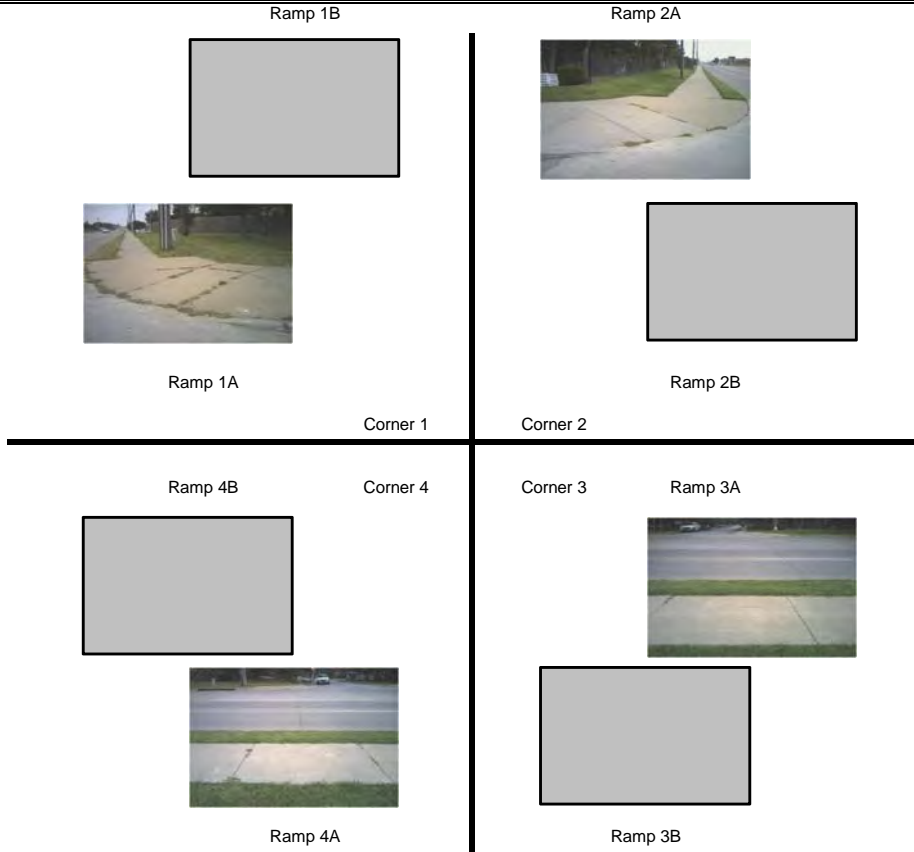
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 99th East Ave (north)

GPS ID: 22033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 99th East Ave (south)

GPS ID: 22034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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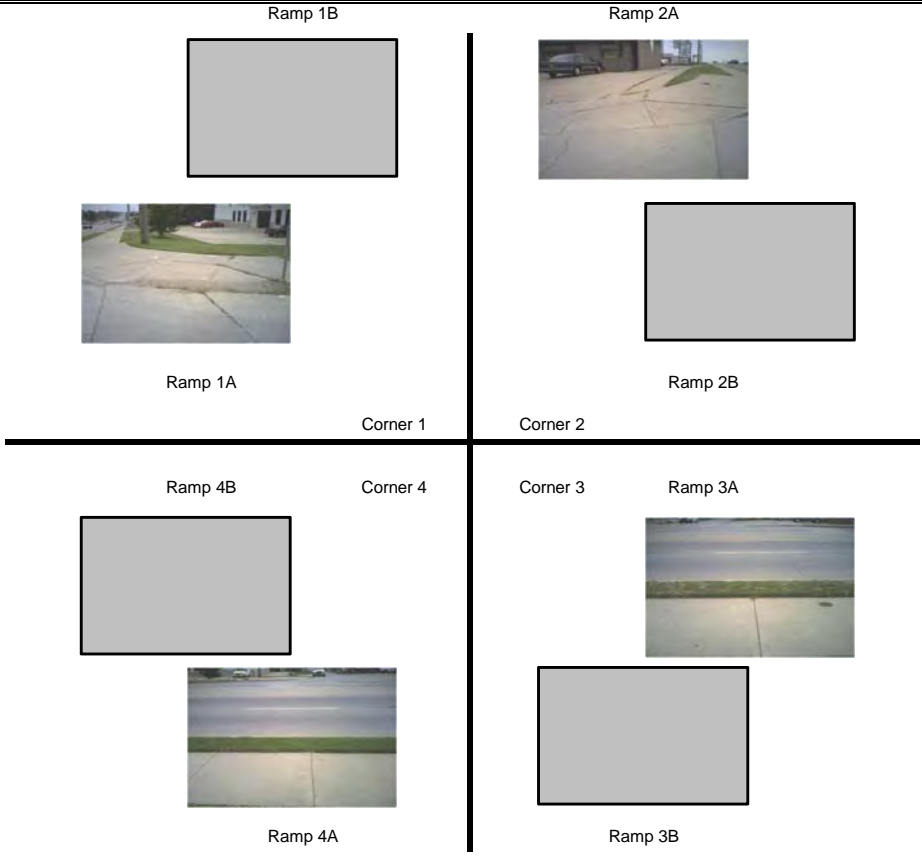
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 100th East Ave

GPS ID: 22035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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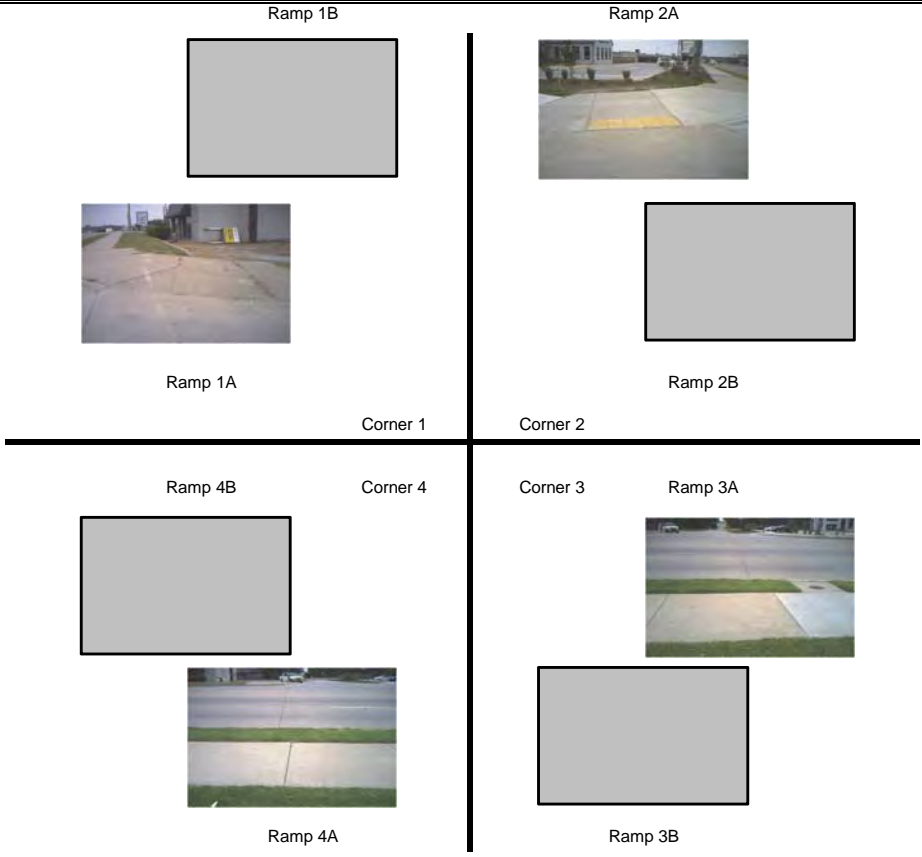
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St South and S 104th East Ave

GPS ID: 22036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,540.20
Engineering: (% +/-)	15%	\$ 1,054.20
Contingency: (% +/-)	20%	\$ 1,405.60
Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and S 116th East Ave

GPS ID: 22037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

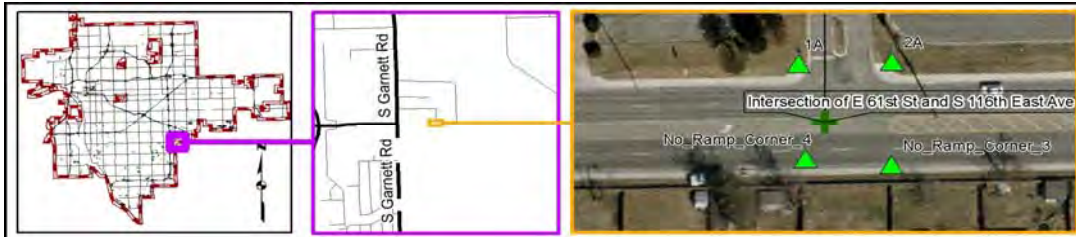
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,574.20
Engineering: (% +/-)	15%	\$ 1,039.63
Contingency: (% +/-)	20%	\$ 1,386.17
Estimated Project Cost:	\$	9,000.00

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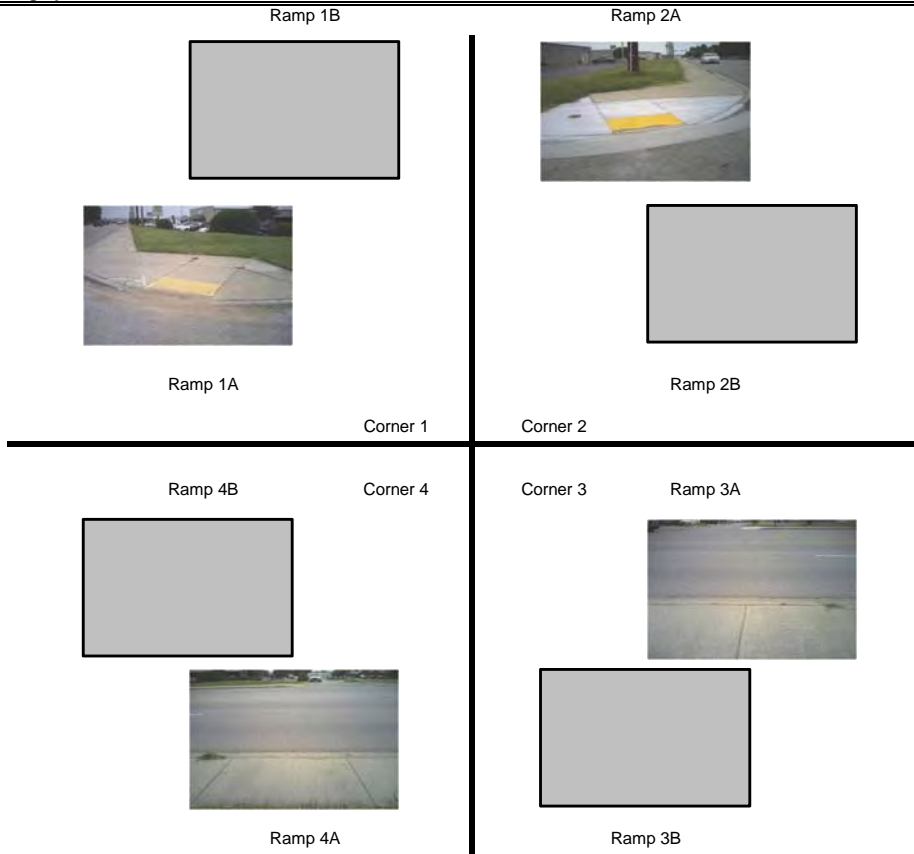
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St and E 91st St

GPS ID: 22038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

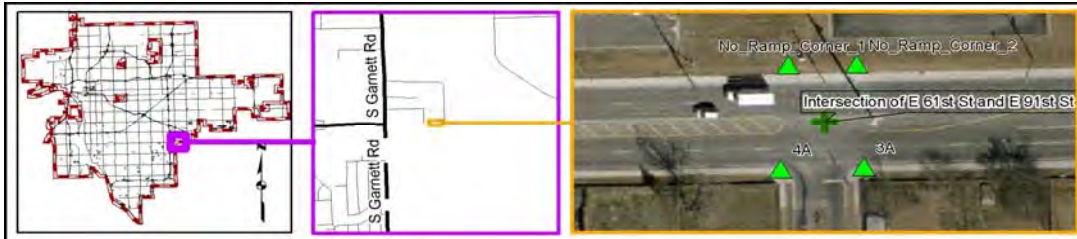
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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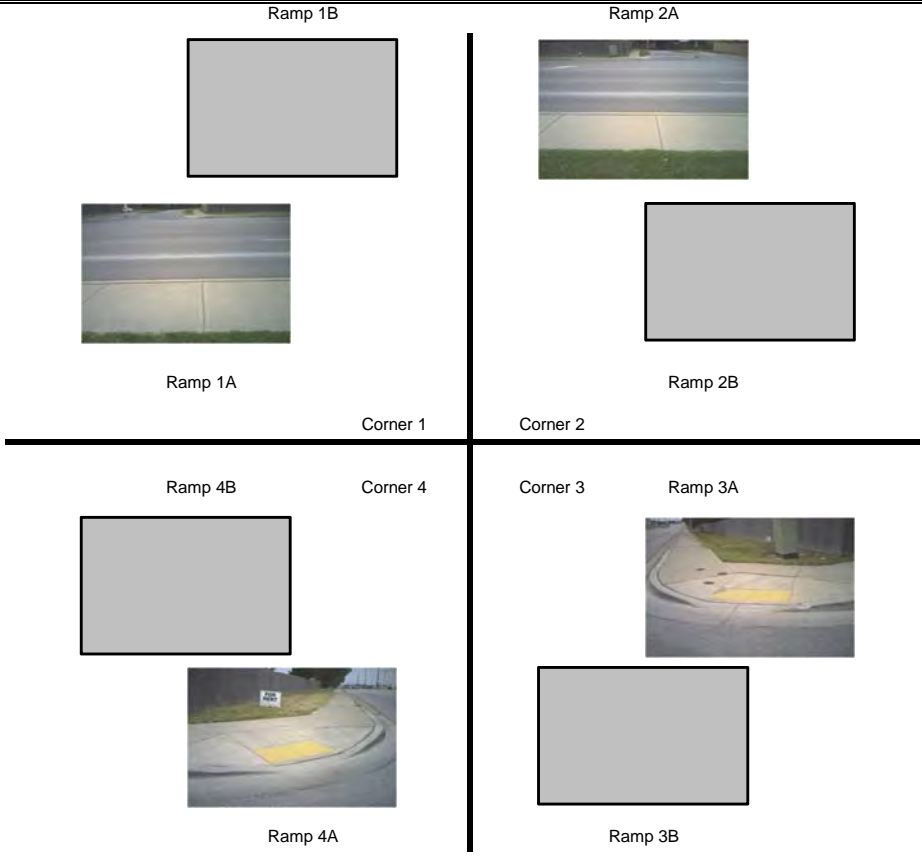
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 61st St South and N Yellowood Ave

GPS ID: 22039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,435.20
Engineering: (% +/-)	15%	\$ 1,099.20
Contingency: (% +/-)	20%	\$ 1,465.60
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

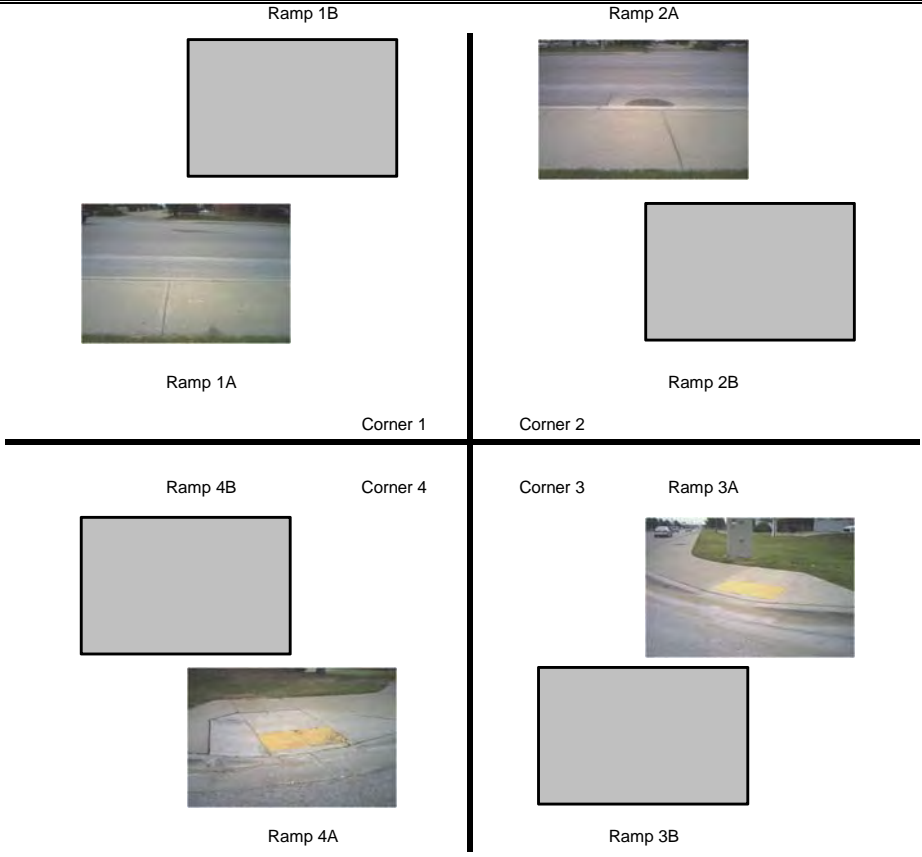
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		Install landing area
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		Regrade roadway
Ramp transition onto roadway is greater than 0.25"							X		
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 71st St and S Jackson Ave

GPS ID: 23001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

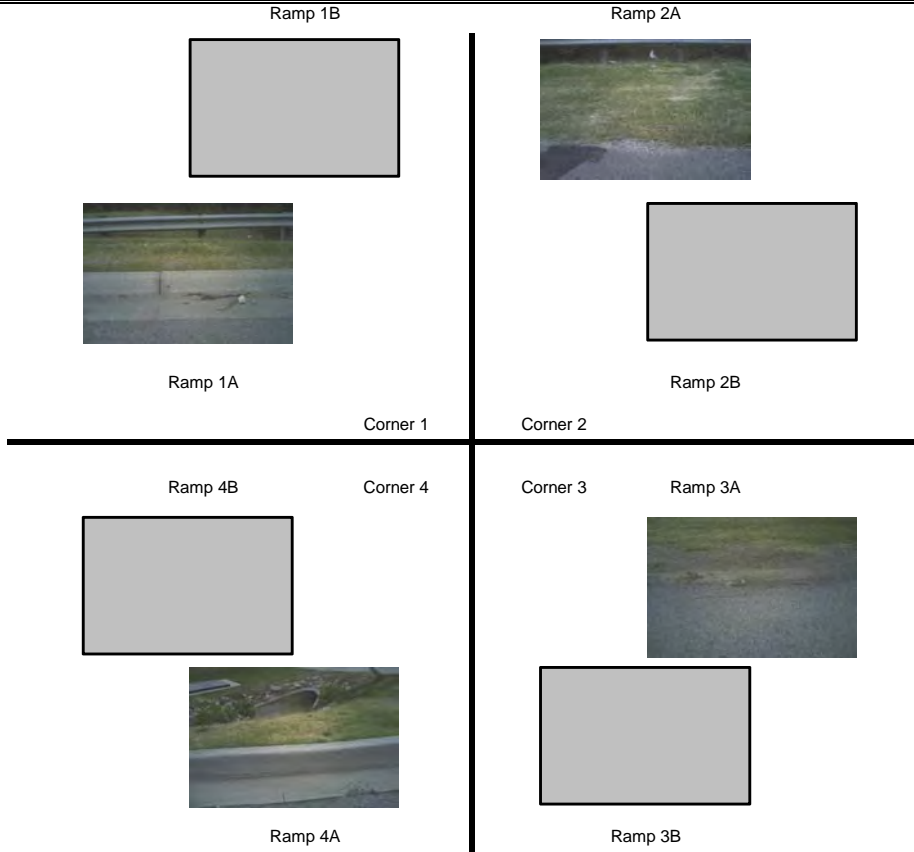
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Quincy Ave and E 71st St

GPS ID: 23002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

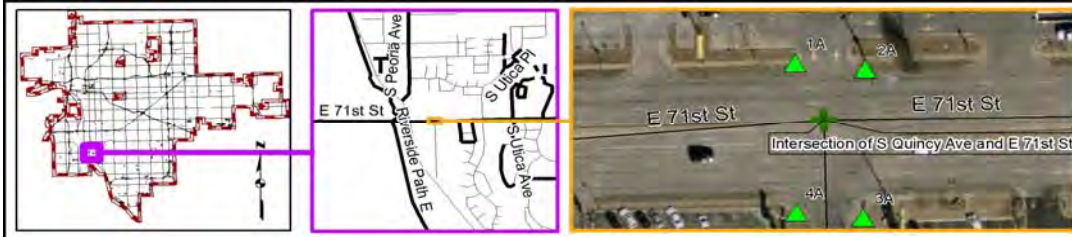
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,472.80
Engineering: (% +/-)	15%	\$ 1,940.23
Contingency: (% +/-)	20%	\$ 2,586.97
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

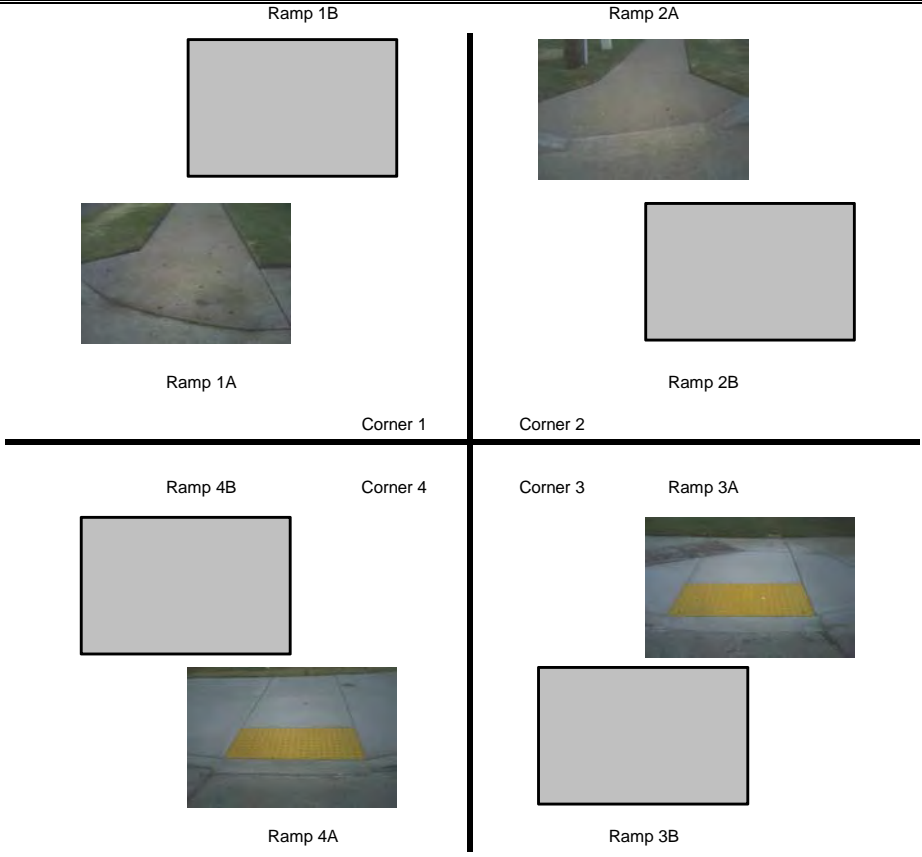
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H			M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Utica Ave

GPS ID: 23003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

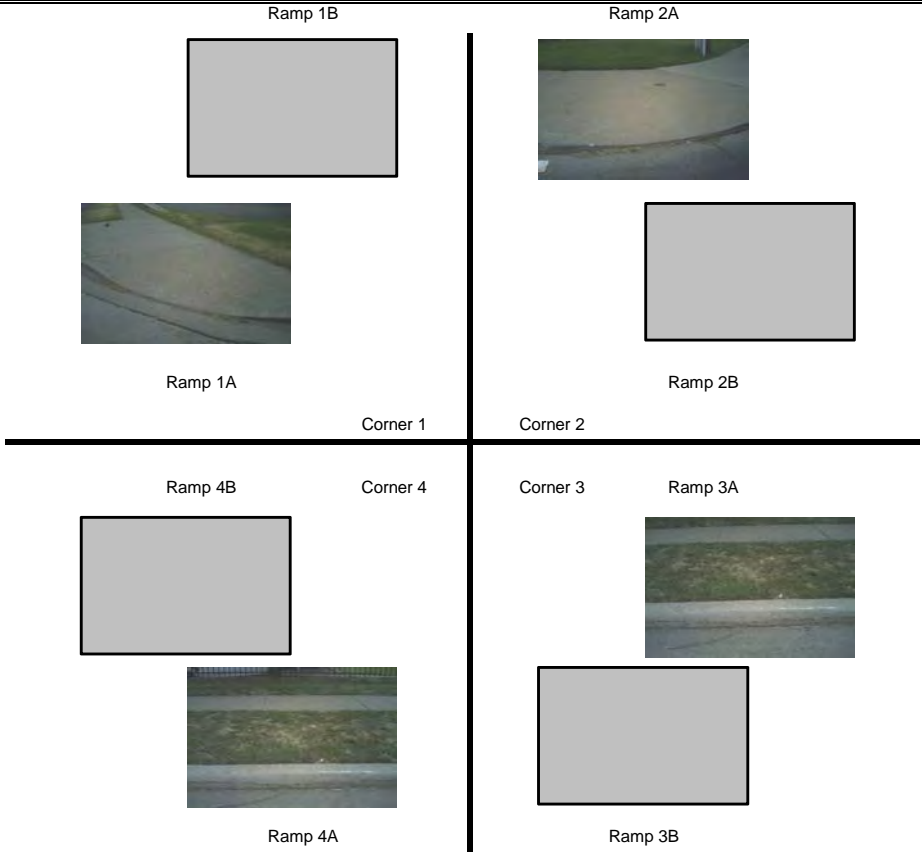
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Yorktown Ave

GPS ID: 23004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

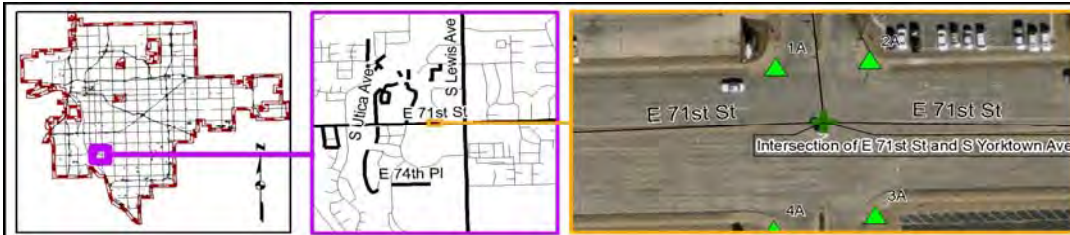
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,700.60
Engineering: (% +/-)	15%	\$ 2,699.74
Contingency: (% +/-)	20%	\$ 3,599.66
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

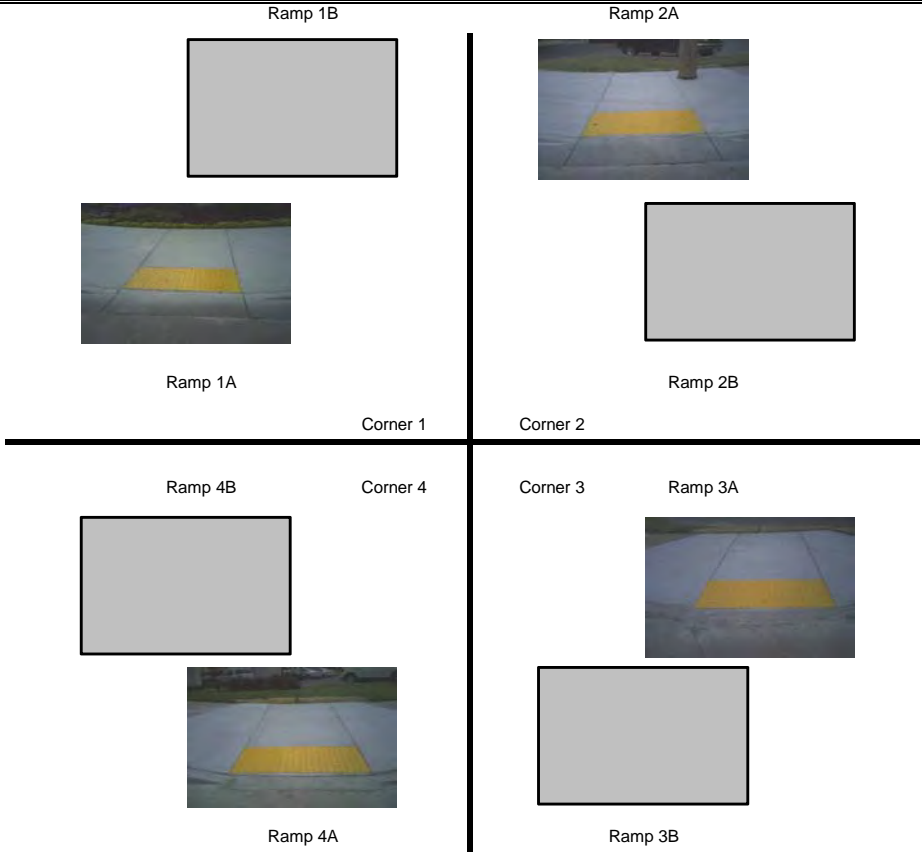
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Atlanta Ave

GPS ID: 23005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,842.00
Engineering: (% +/-)	15%	\$ 924.86
Contingency: (% +/-)	20%	\$ 1,233.14
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

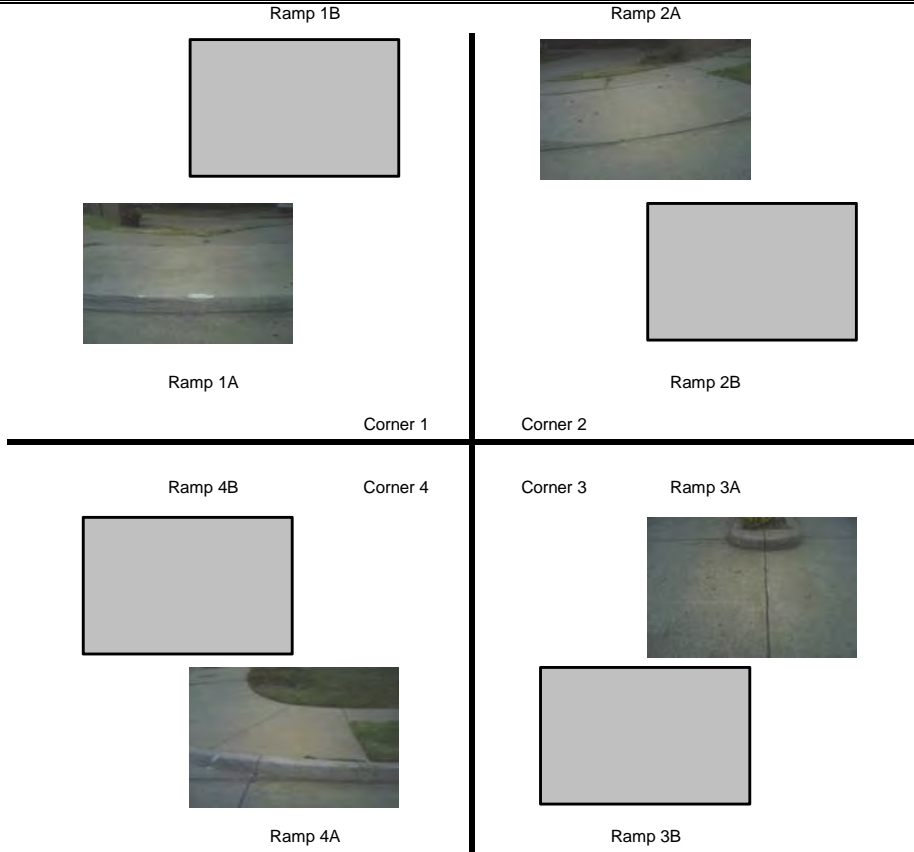
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						
No color contrast at base of ramp			X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Birmingham PI

GPS ID: 23006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,187.80
Engineering: (% +/-)	15%	\$ 3,348.09
Contingency: (% +/-)	20%	\$ 4,464.11
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

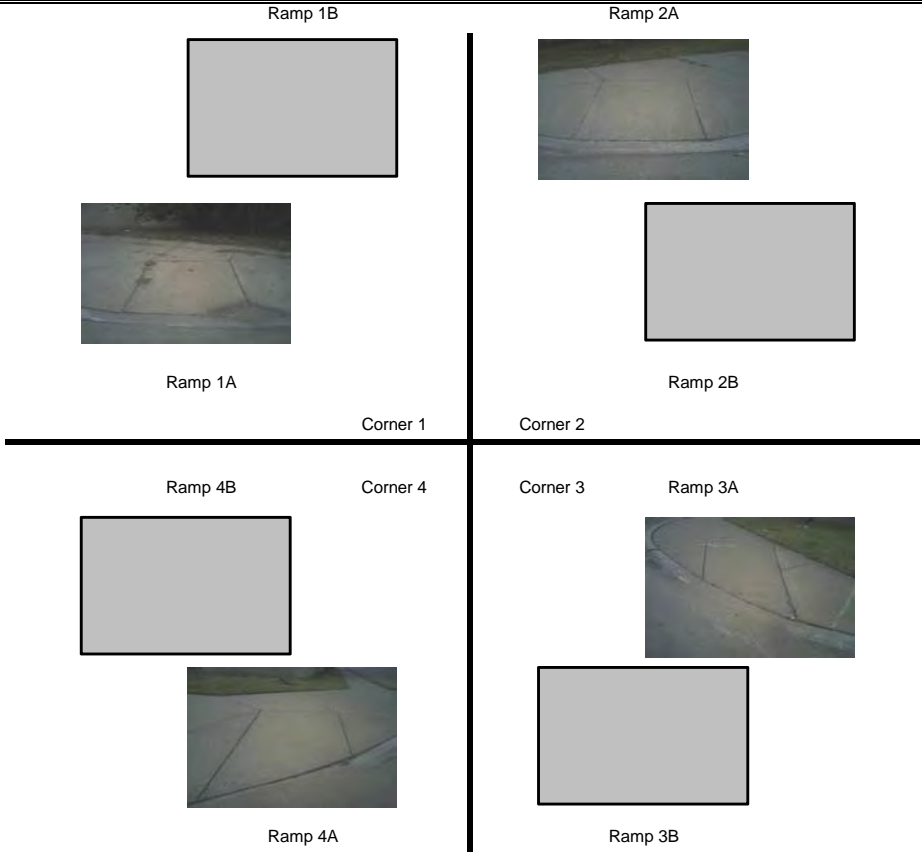
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X							
Ramp running slope is greater than 8.33%			X	X	X	X			
Ramp cross slope is greater than 2%	X	X				X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Birmingham Ct

GPS ID: 23007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

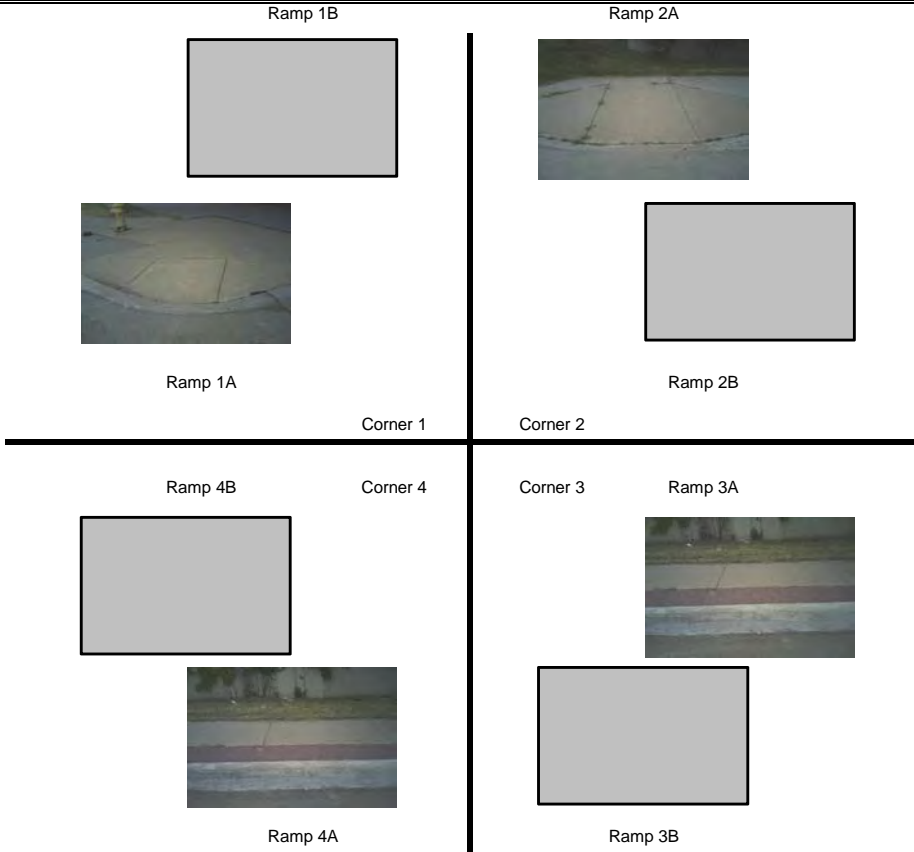
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Columbia Ave

GPS ID: 23008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

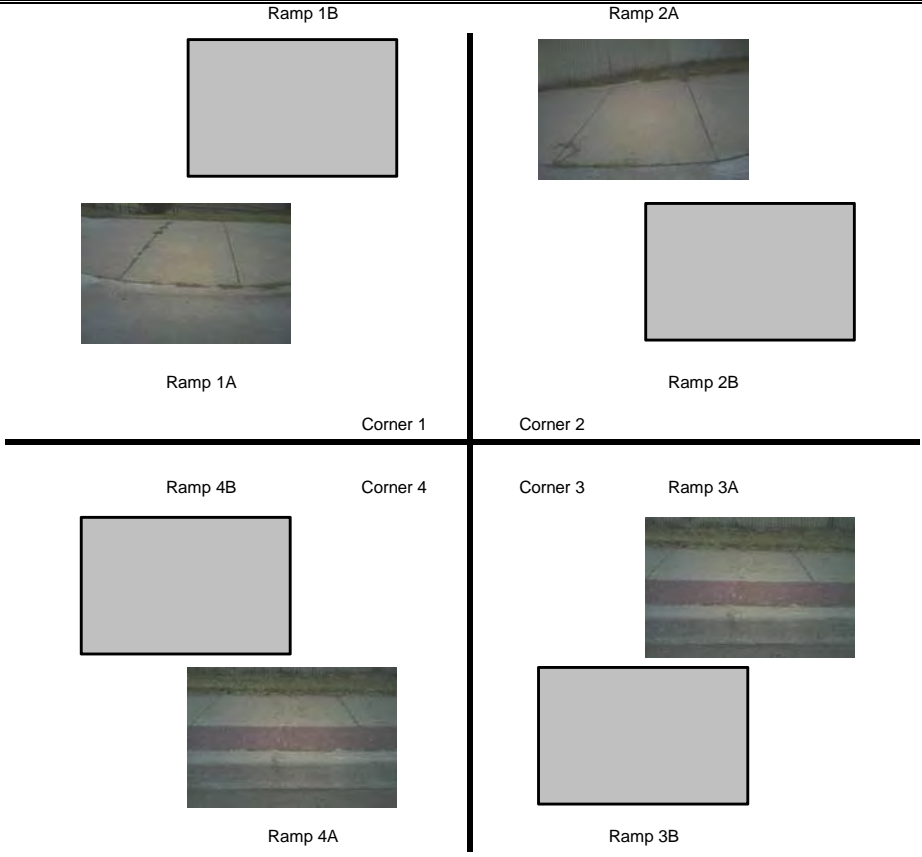
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Delaware Pl

GPS ID: 23009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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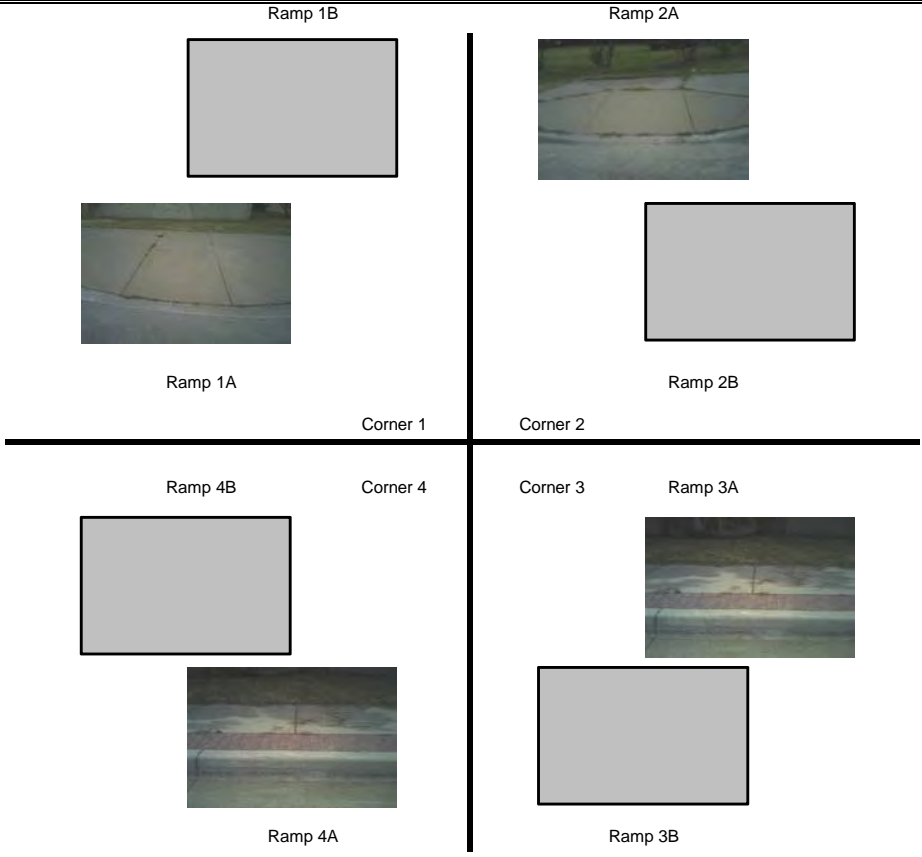
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S College Ave and E 71st St

GPS ID: 23010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,321.40
Engineering: (% +/-)	15%	\$ 2,005.11
Contingency: (% +/-)	20%	\$ 2,673.49
Estimated Project Cost:	\$	16,000.00

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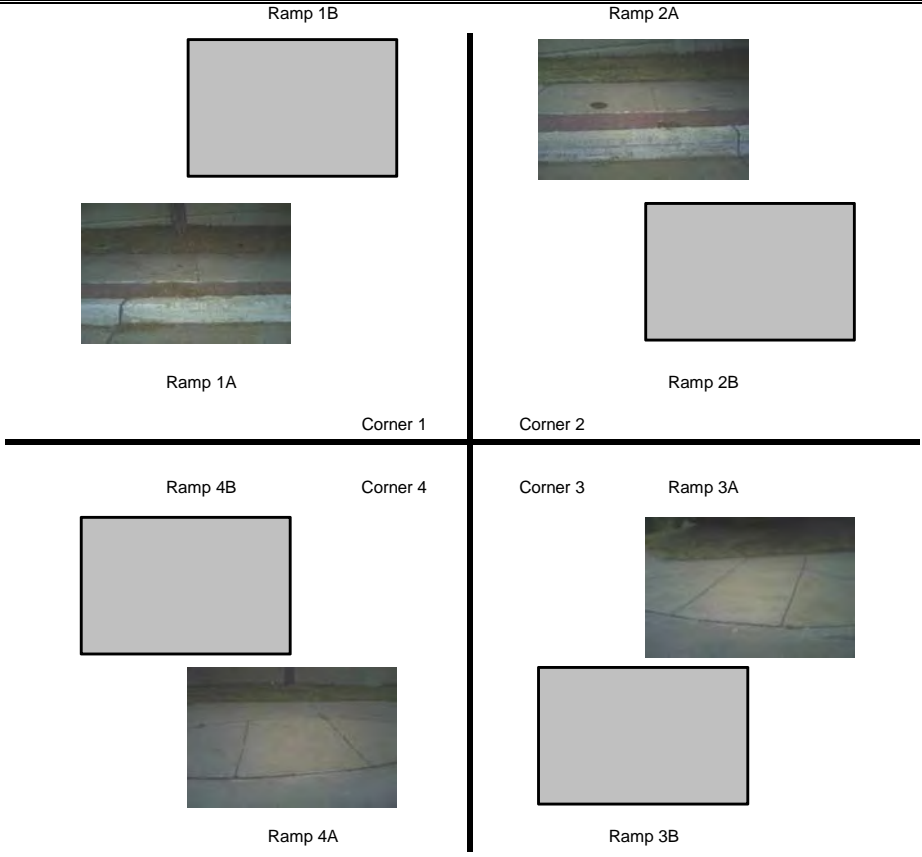
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	-	M			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Florence Ave

GPS ID: 23011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,451.40
Engineering: (% +/-)	15%	\$ 1,949.40
Contingency: (% +/-)	20%	\$ 2,599.20
Estimated Project Cost:	\$	16,000.00

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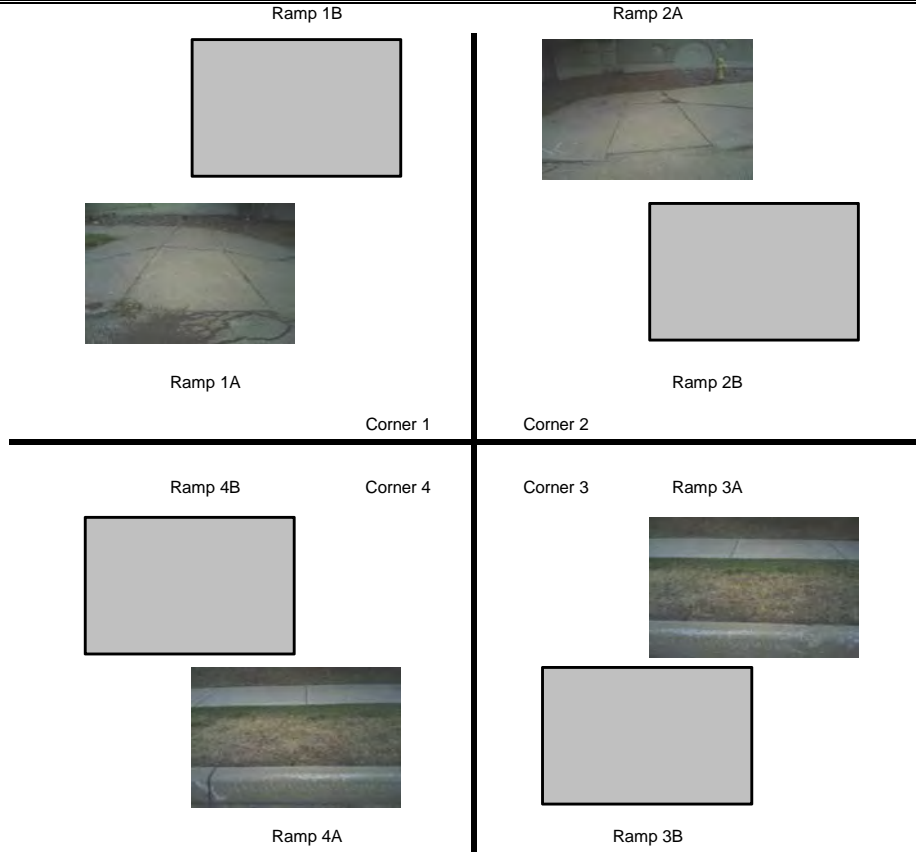
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	-	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Indianapolis Ave (north)

GPS ID: 23012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

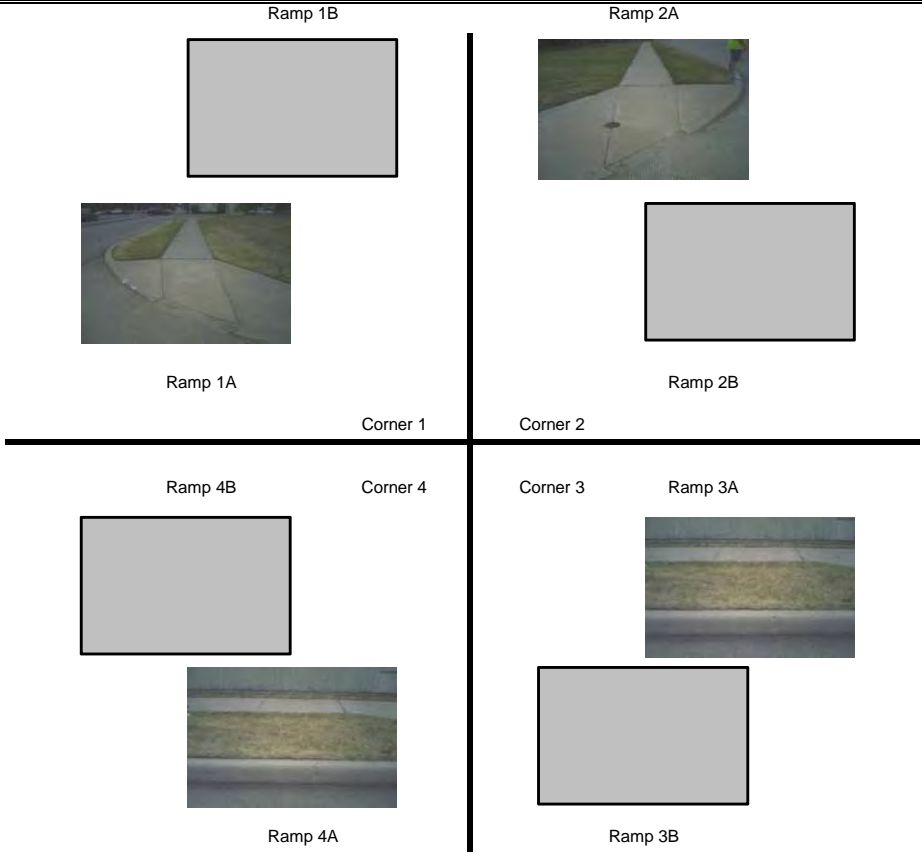
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Indianapolis Ave (south)

GPS ID: 23013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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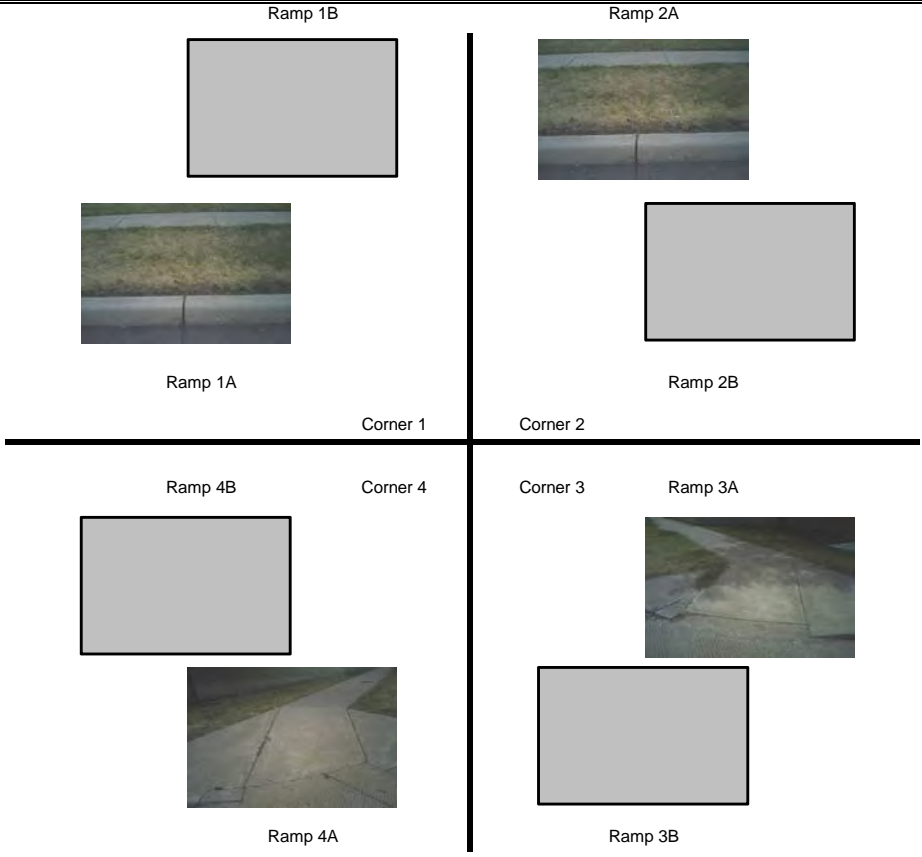
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Jamestown Ave (north)

GPS ID: 23014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,516.40
Engineering: (% +/-)	15%	\$ 1,921.54
Contingency: (% +/-)	20%	\$ 2,562.06
Estimated Project Cost:	\$	16,000.00

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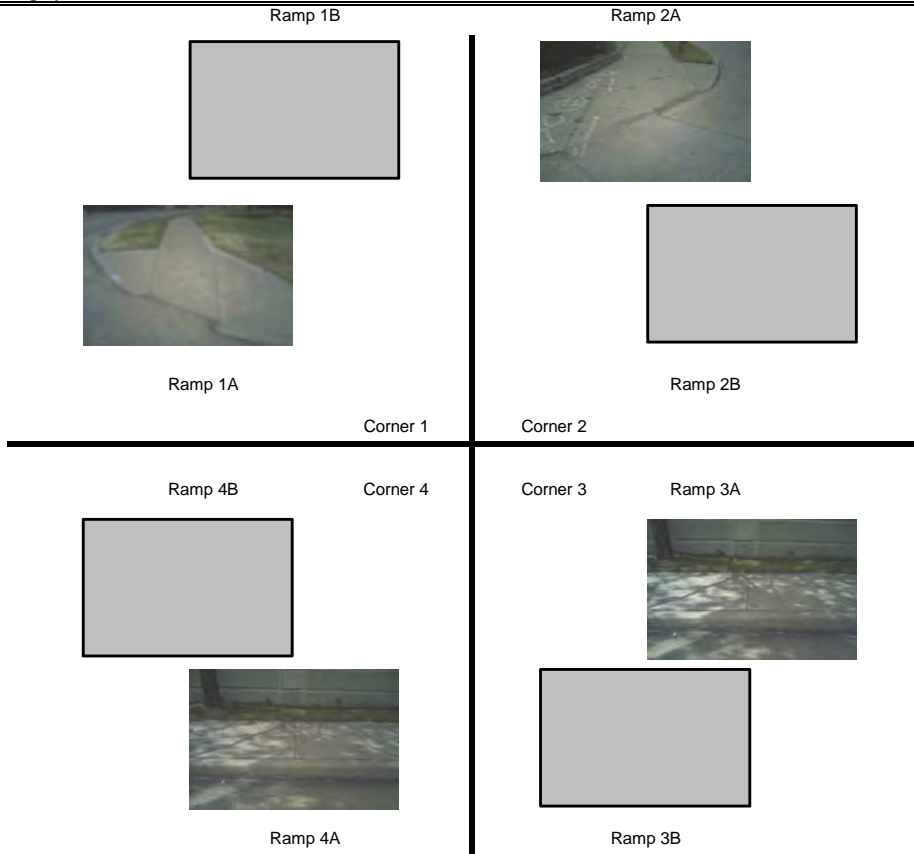
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Jamestown Ave (south)

GPS ID: 23015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,883.20
Engineering: (% +/-)	15%	\$ 907.20
Contingency: (% +/-)	20%	\$ 1,209.60
Estimated Project Cost:	\$	6,000.00

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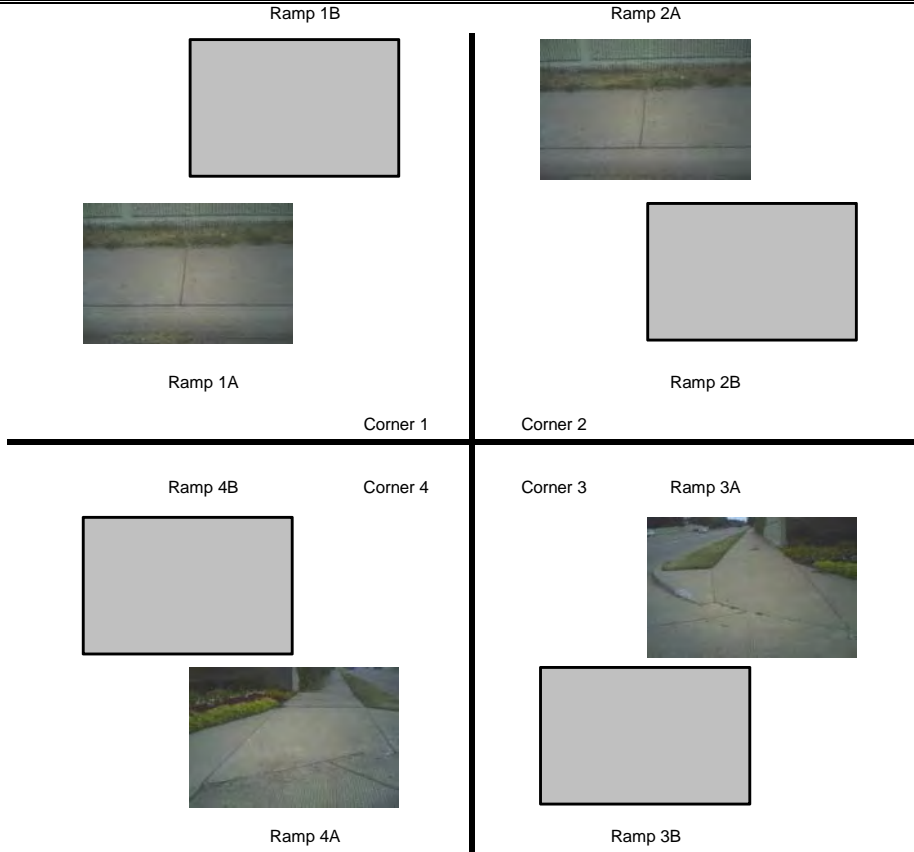
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Louisville Ave

GPS ID: 23016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	220	LF	\$ 6.50	\$ 1,430.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,642.80
Engineering: (% +/-)	15%	\$ 2,724.51
Contingency: (% +/-)	20%	\$ 3,632.69
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%	X				X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X			Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Richmond Ave

GPS ID: 23017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,256.40
Engineering: (% +/-)	15%	\$ 2,032.97
Contingency: (% +/-)	20%	\$ 2,710.63
Estimated Project Cost:	\$	16,000.00

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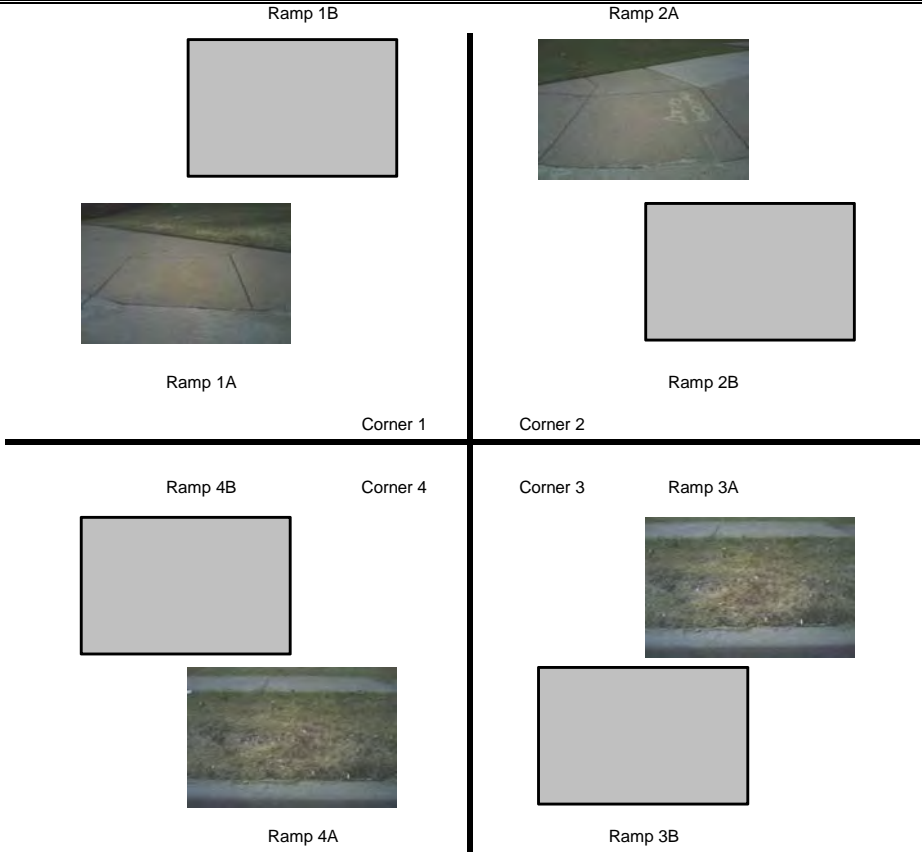
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Braden Ave

GPS ID: 23018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	200	LF	\$ 6.50	\$ 1,300.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,512.80
Engineering: (% +/-)	15%	\$ 3,637.37
Contingency: (% +/-)	20%	\$ 4,849.83
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

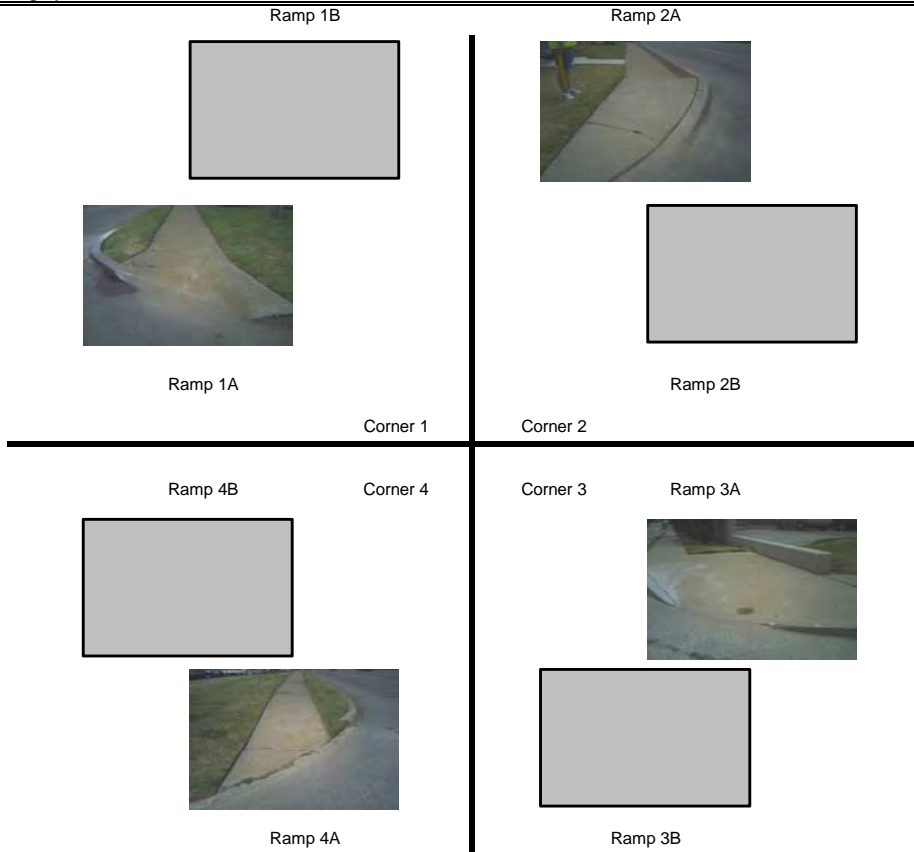
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X				X		
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Canton Ave (south)

GPS ID: 23019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,874.20
Engineering: (% +/-)	15%	\$ 911.06
Contingency: (% +/-)	20%	\$ 1,214.74
Estimated Project Cost:	\$	7,000.00

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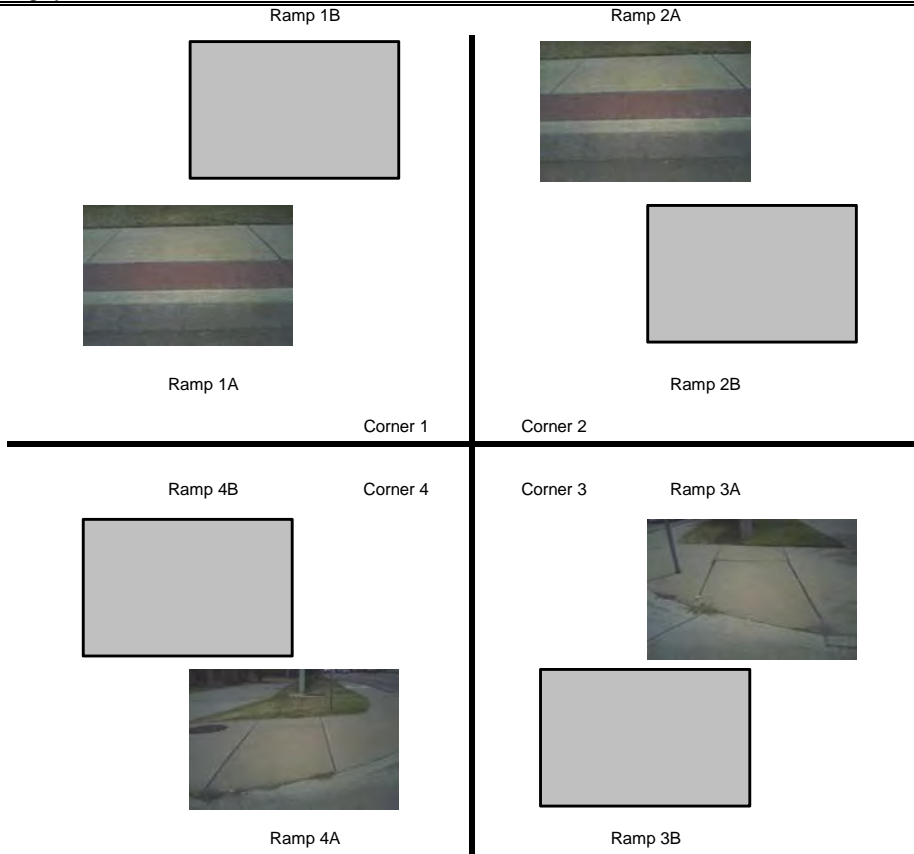
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	M	M	-	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Darlington Ave and E 71st St GPS ID: 23020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	10,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,743.69
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,324.91
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

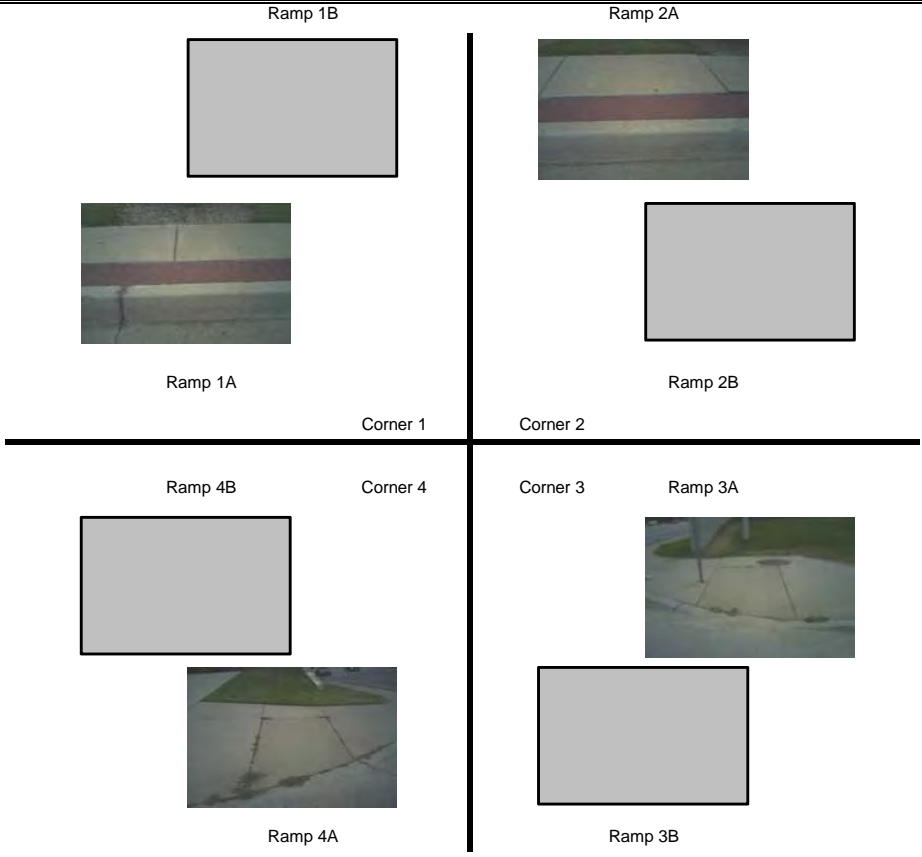
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:					M	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Granite Ave

GPS ID: 23021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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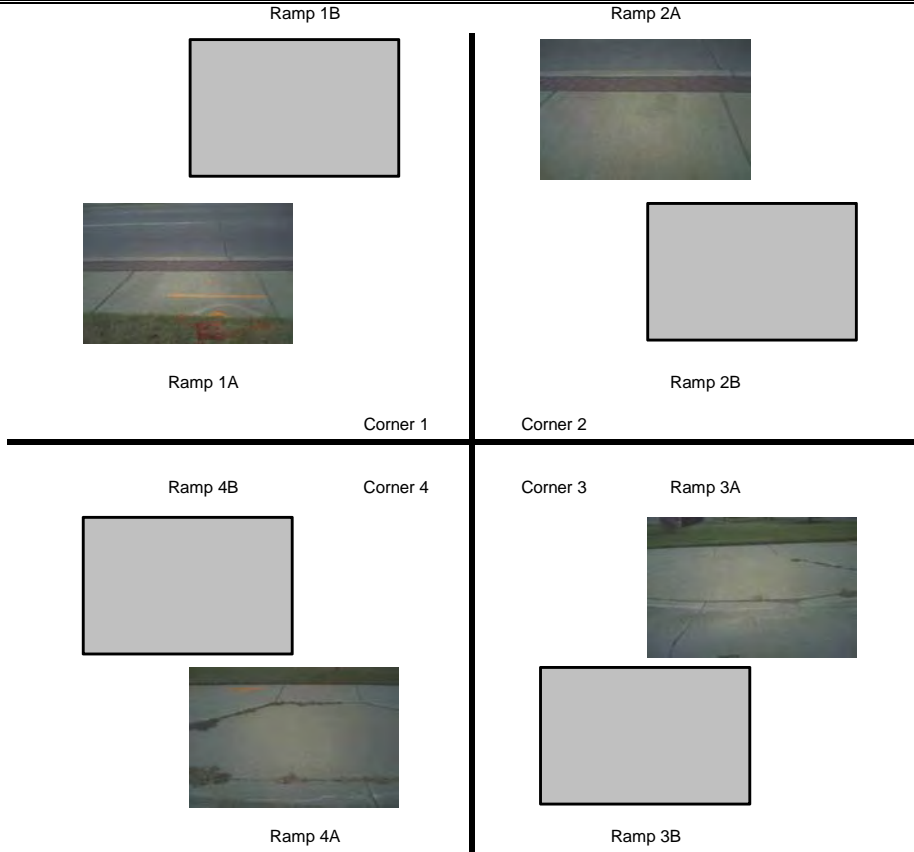
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S Joplin Ave (north)

GPS ID: 23022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,252.80
Engineering: (% +/-)	15%	\$ 2,463.09
Contingency: (% +/-)	20%	\$ 3,284.11
Estimated Project Cost:	\$	20,000.00

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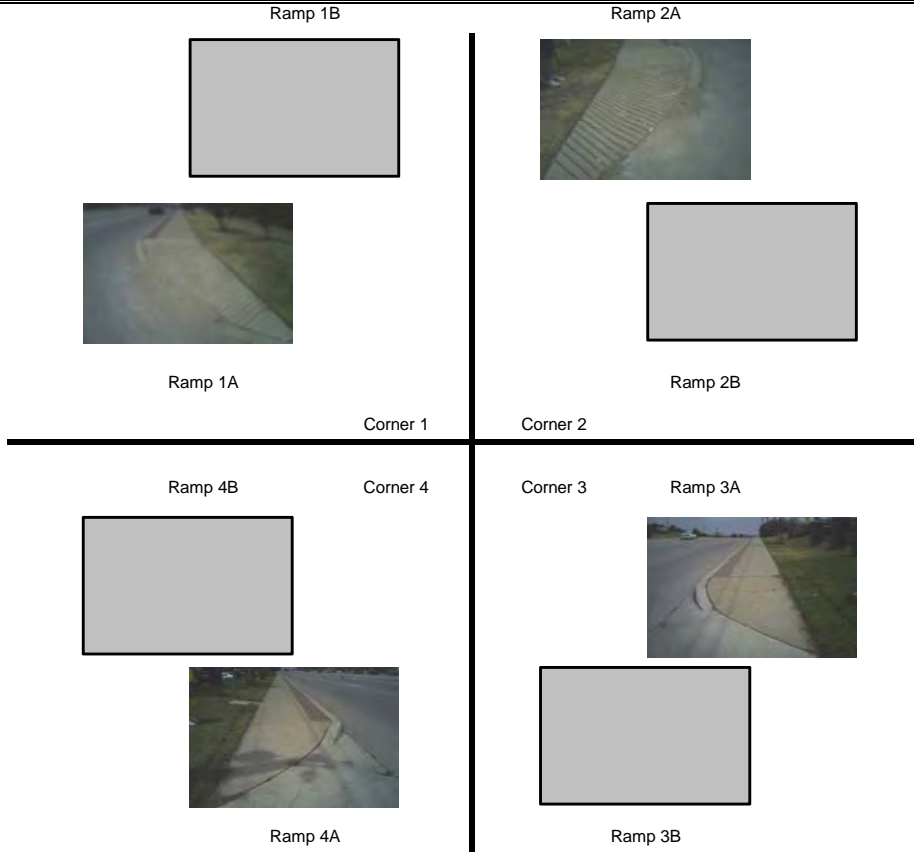
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lakewood Ave and E 71st St

GPS ID: 23023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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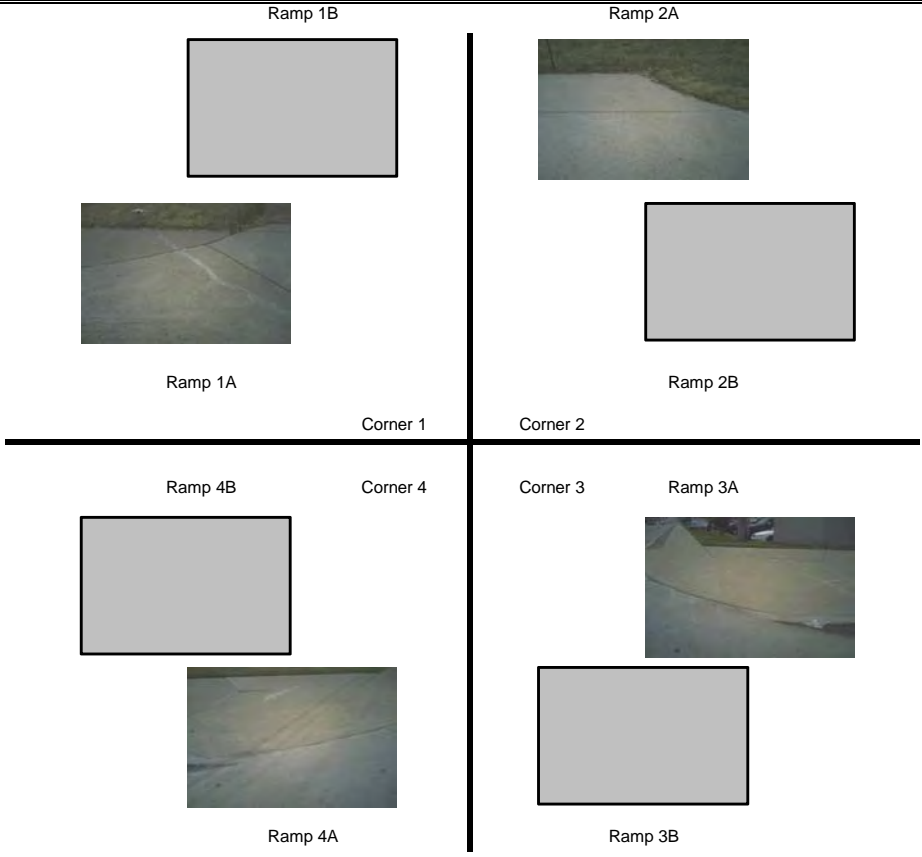
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:					H	M			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S 69th East Ave

GPS ID: 23024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,122.80
Engineering: (% +/-)	15%	\$ 3,804.51
Contingency: (% +/-)	20%	\$ 5,072.69
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

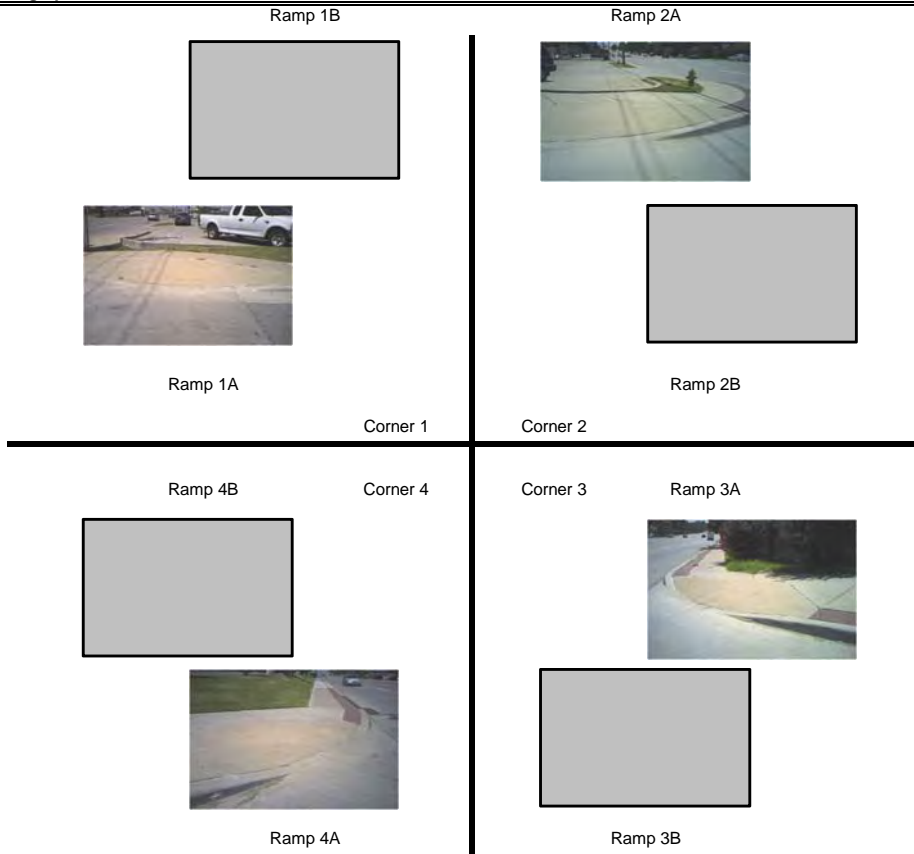
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%	X				X	X			
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X	X			Install colored truncated domes
No color contrast at base of ramp	X		X		X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S 70th East Ave

GPS ID: 23025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

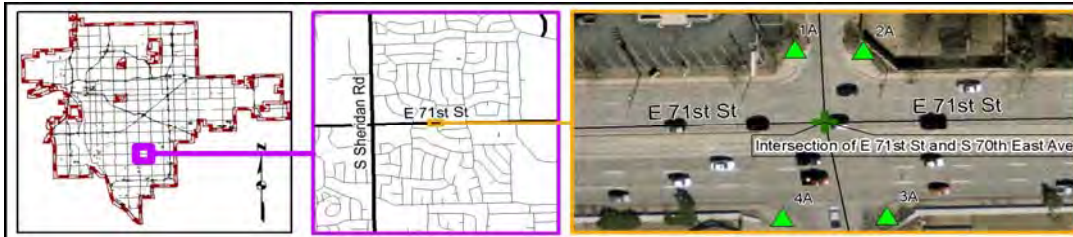
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,187.80
Engineering: (% +/-)	15%	\$ 2,919.51
Contingency: (% +/-)	20%	\$ 3,892.69
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

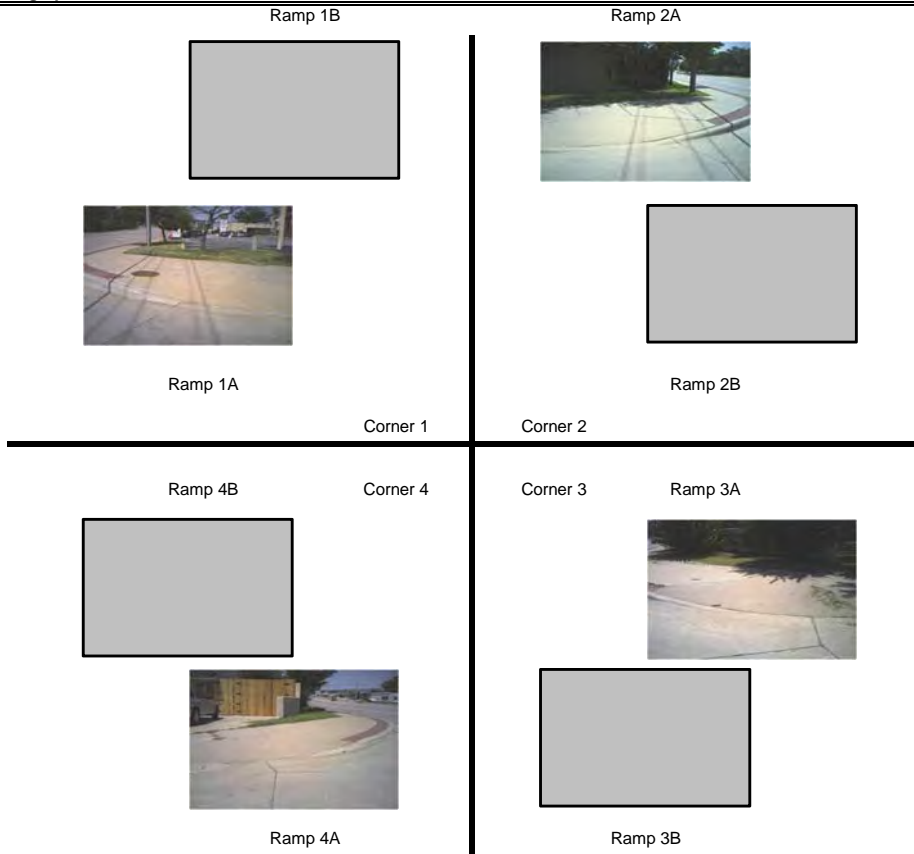
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S 78th East Ave

GPS ID: 23028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

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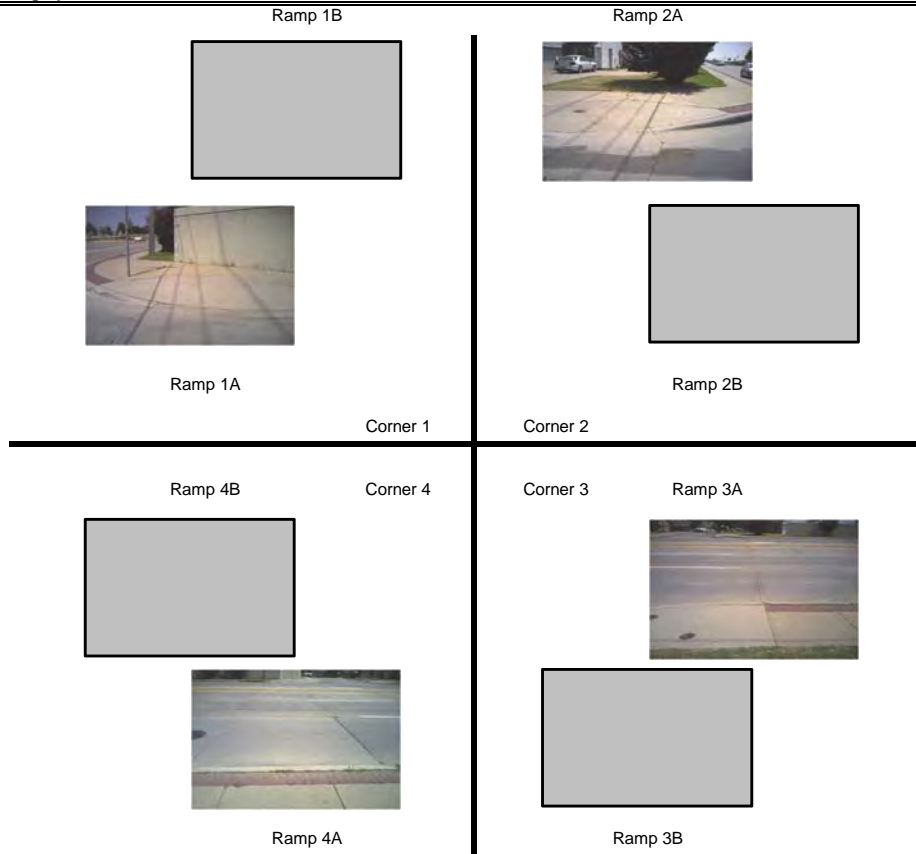
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 73rd St and E 71st St

GPS ID: 23029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

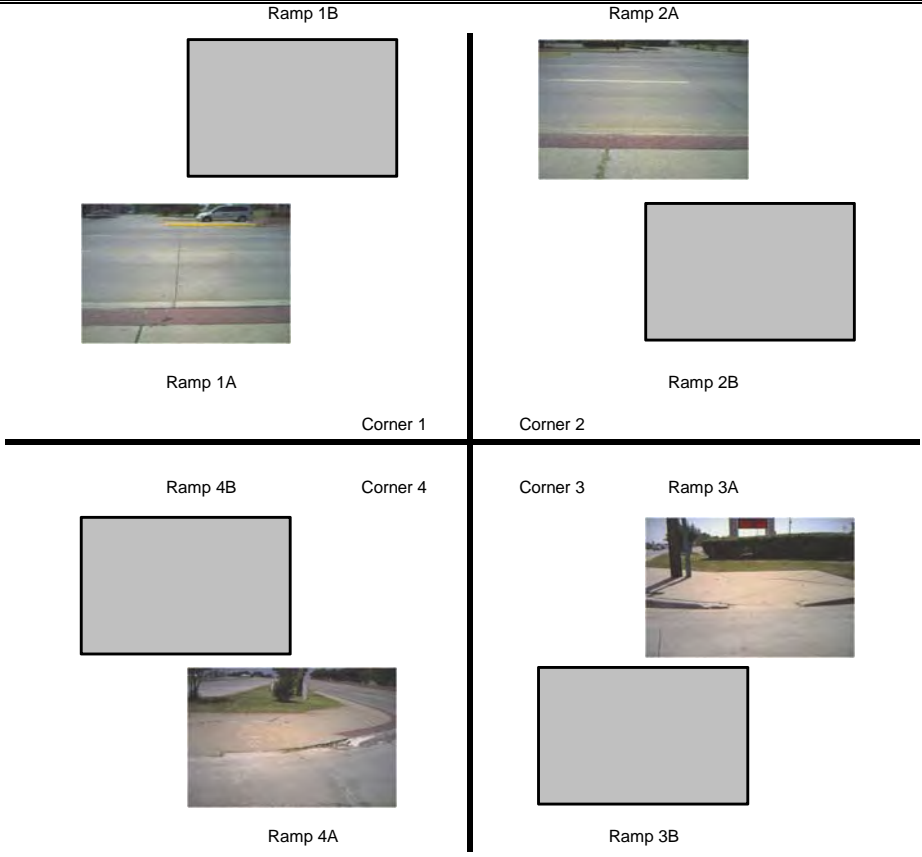
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 71st St and S 77th East Ave

GPS ID: 23030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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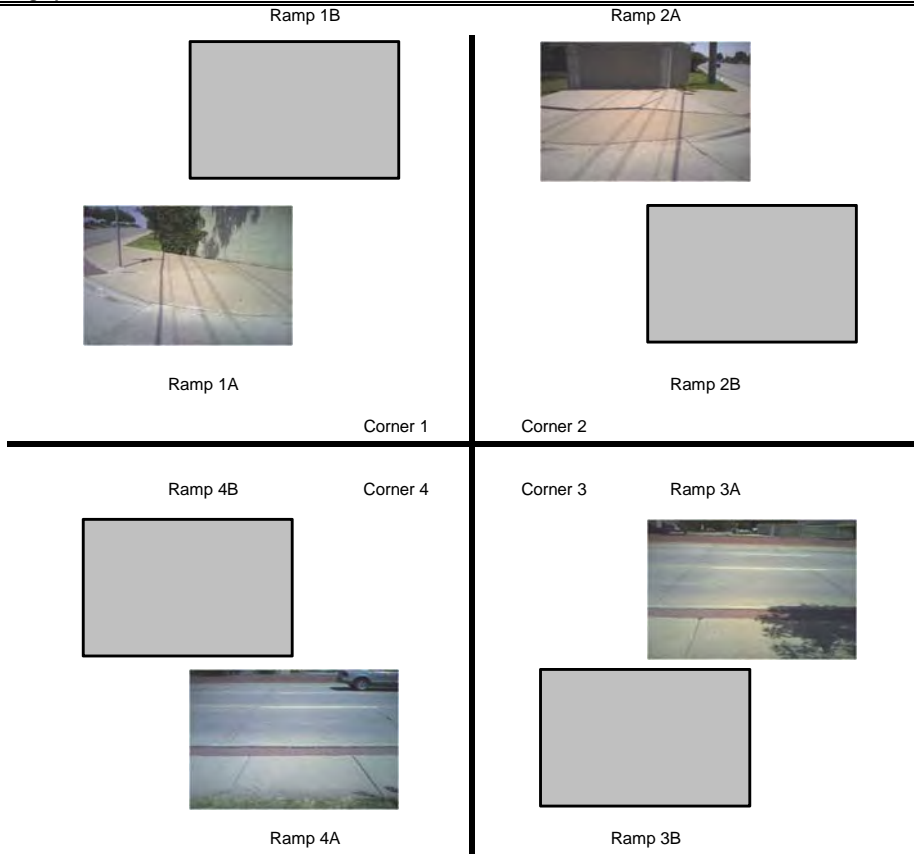
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S Wheeling Ave

GPS ID: 24000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,754.70
Engineering: (% +/-)	15%	\$ 1,390.84
Contingency: (% +/-)	20%	\$ 1,854.46
Estimated Project Cost:	\$	11,000.00

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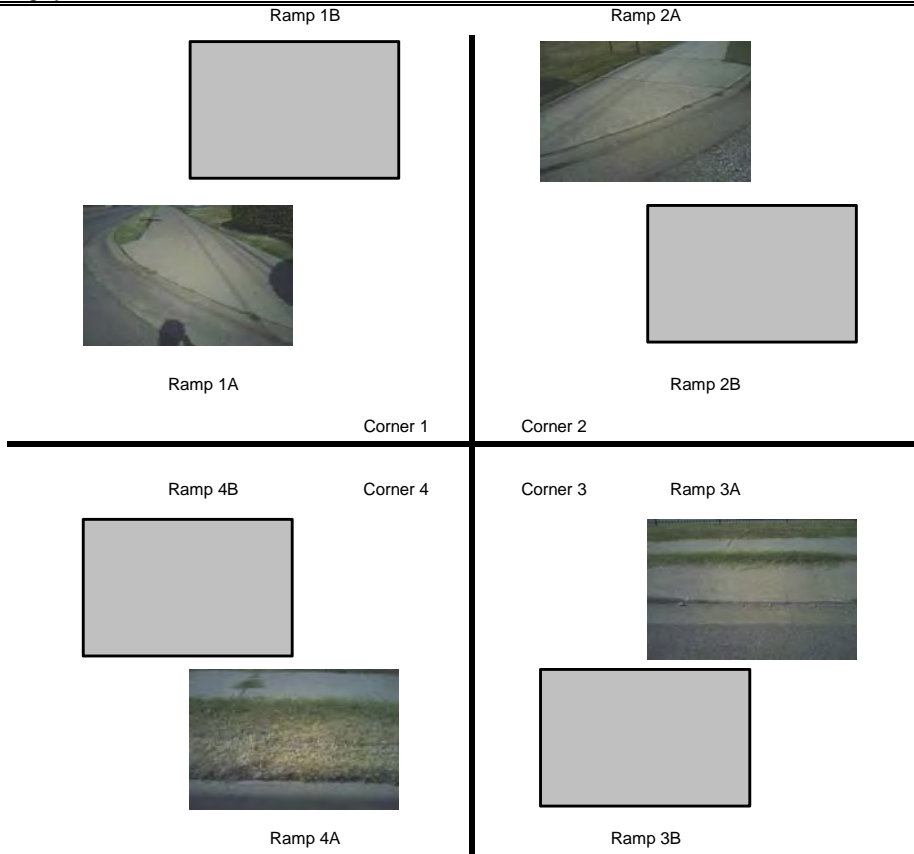
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	N/A	-	
Crosswalk cross slope is greater than 2%	-	-	N/A	-	
Crosswalk striping	No	-	N/A	-	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yorktown Ave and E 81st St

GPS ID: 24001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,303.90
Engineering: (% +/-)	15%	\$ 2,869.76
Contingency: (% +/-)	20%	\$ 3,826.34
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

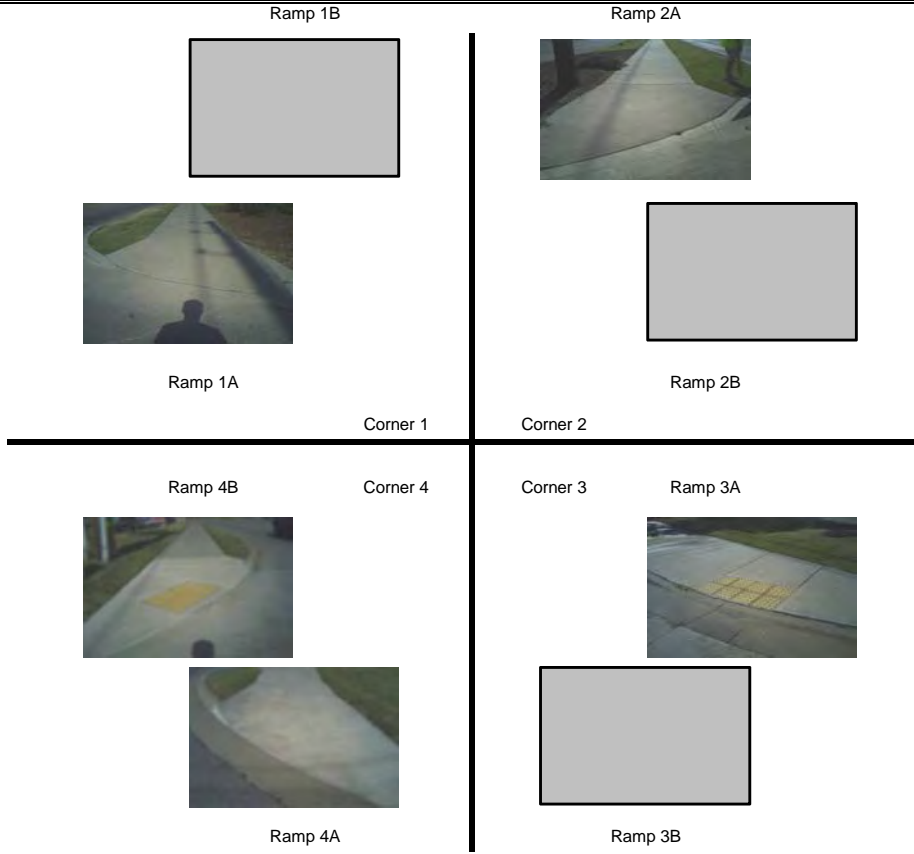
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X					X			Remove and replace ramp
Ramp cross slope is greater than 2%	X				X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X			X			Install colored truncated domes
No color contrast at base of ramp	X		X			X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry								X	Remove ramp
Ramp Priority:	M		M		M			H	M



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S Evanston Ave (south)

GPS ID: 24002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

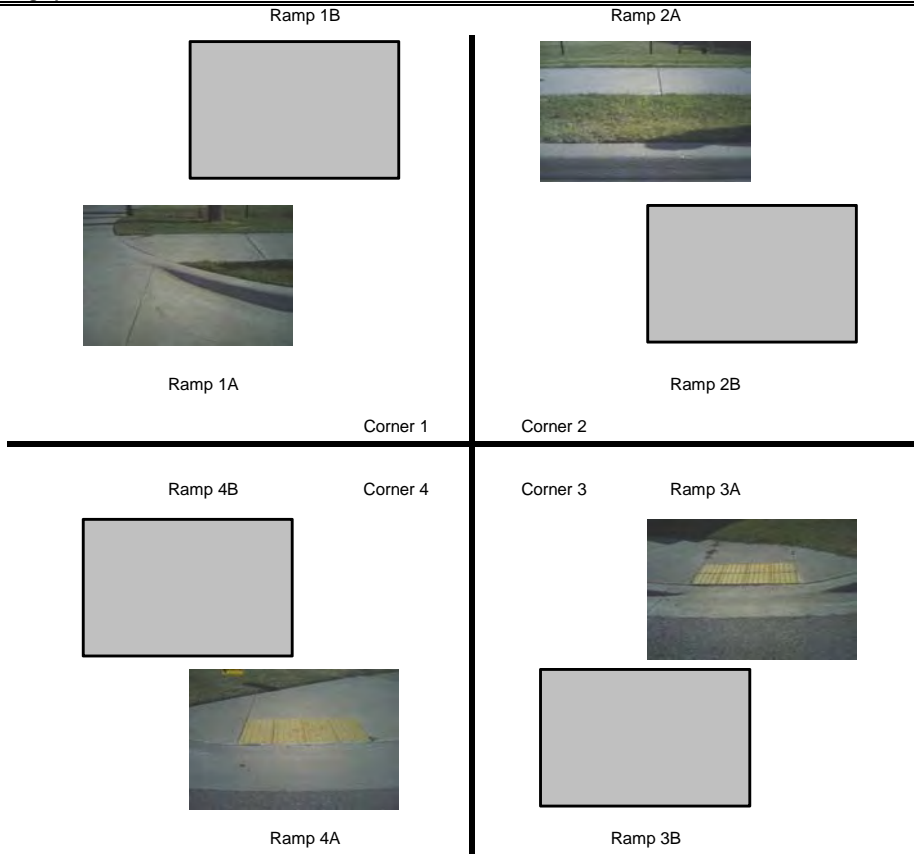
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S Evanston Ave (north)

GPS ID: 24003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

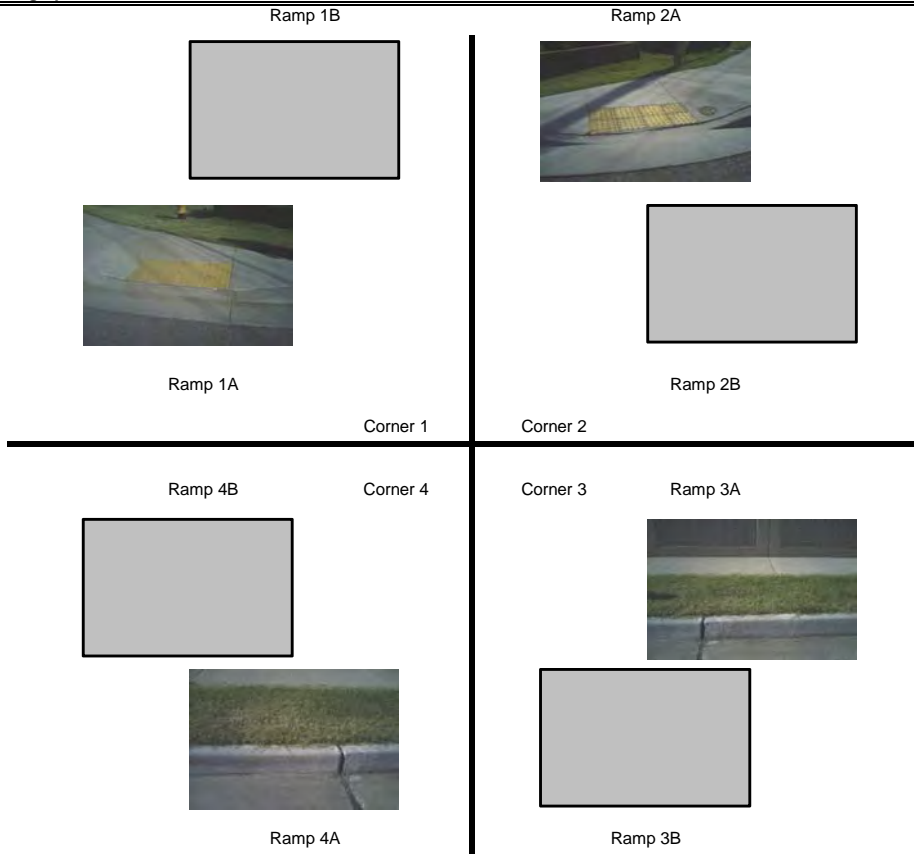
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S Florence Ave (south)

GPS ID: 24004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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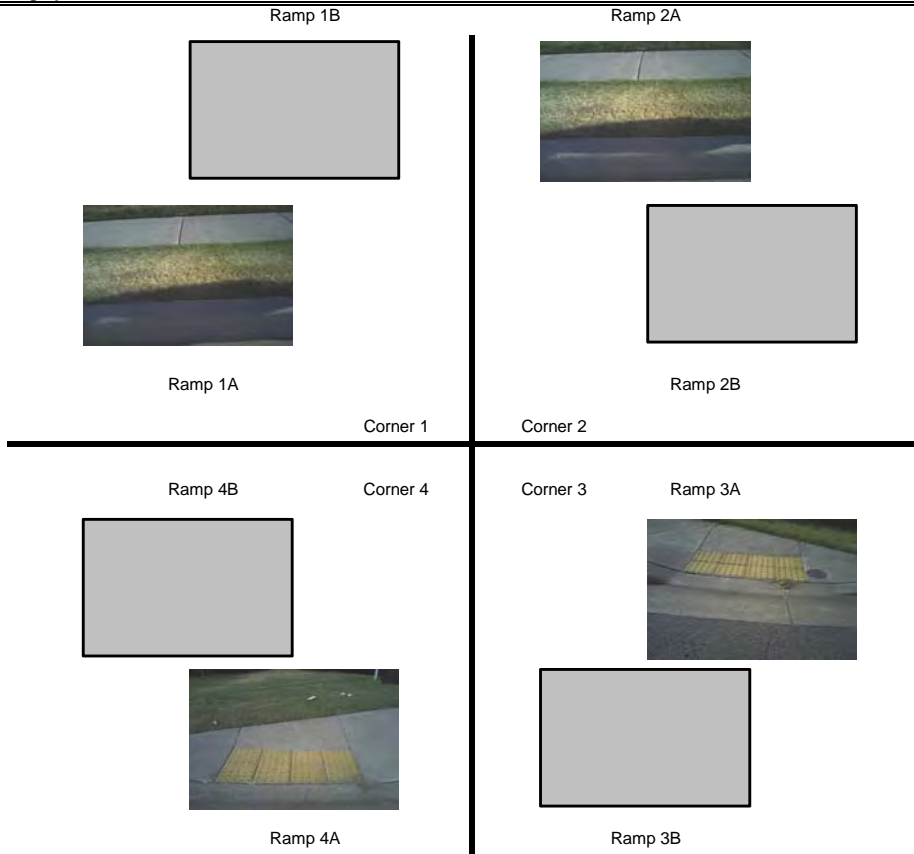
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S Florence Ave (north)

GPS ID: 24005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

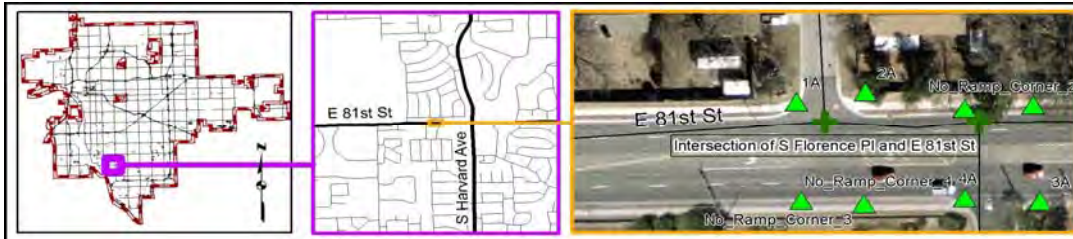
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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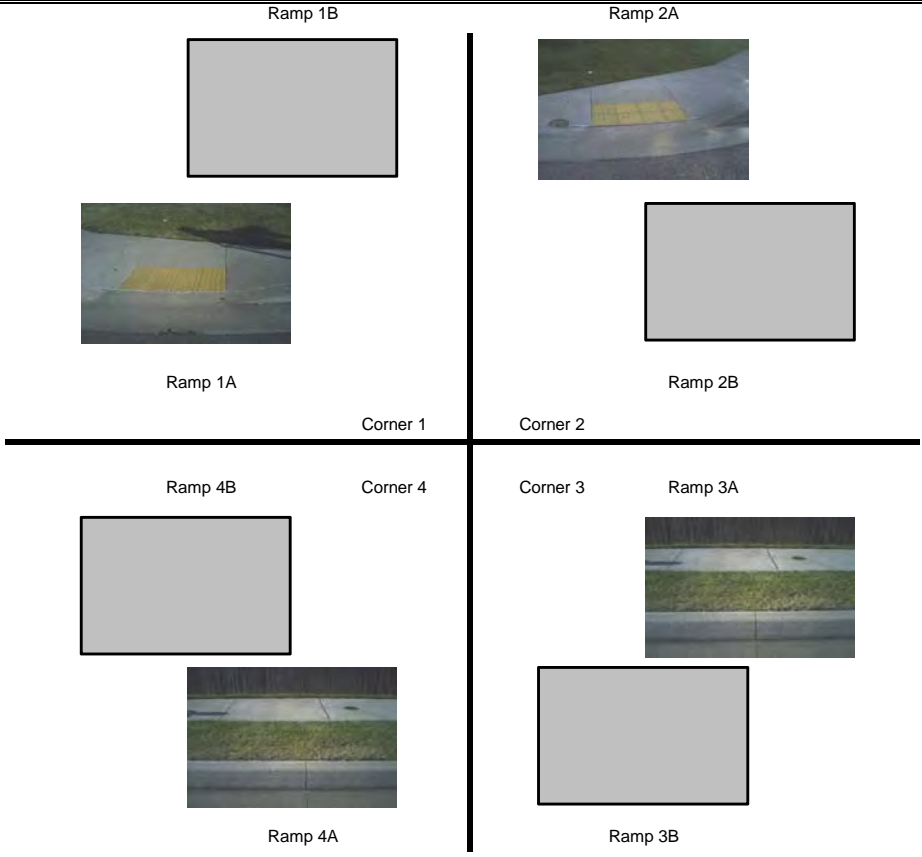
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Florence Pl and E 81st St

GPS ID: 24006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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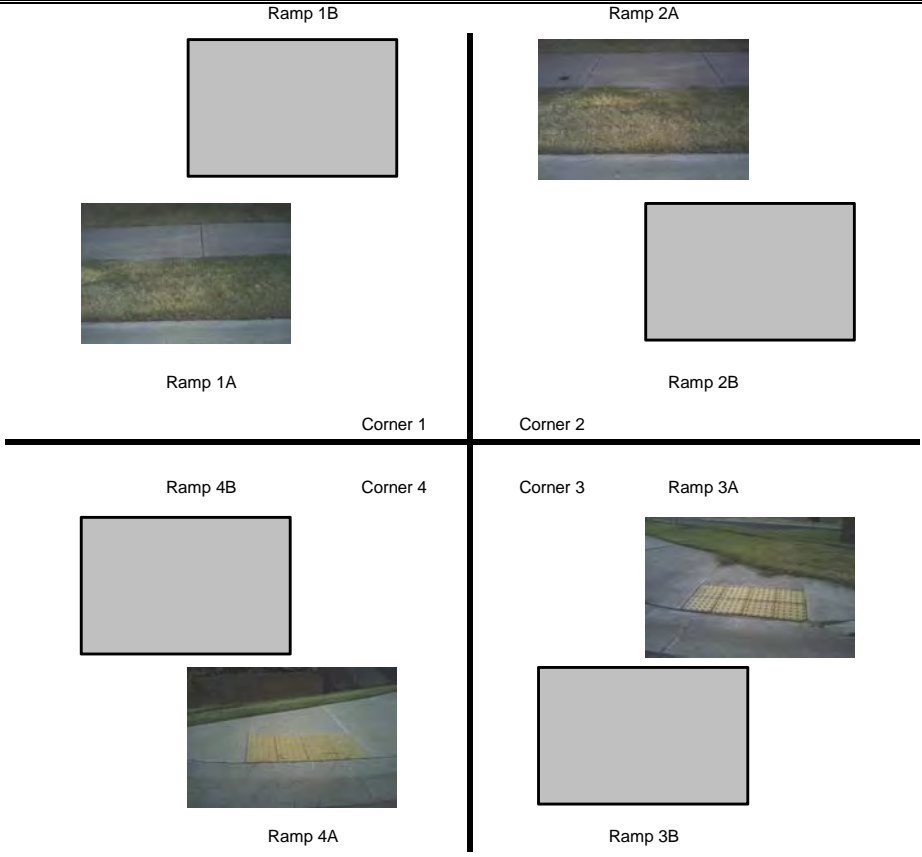
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:					H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S Pittsburg Ave

GPS ID: 24007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

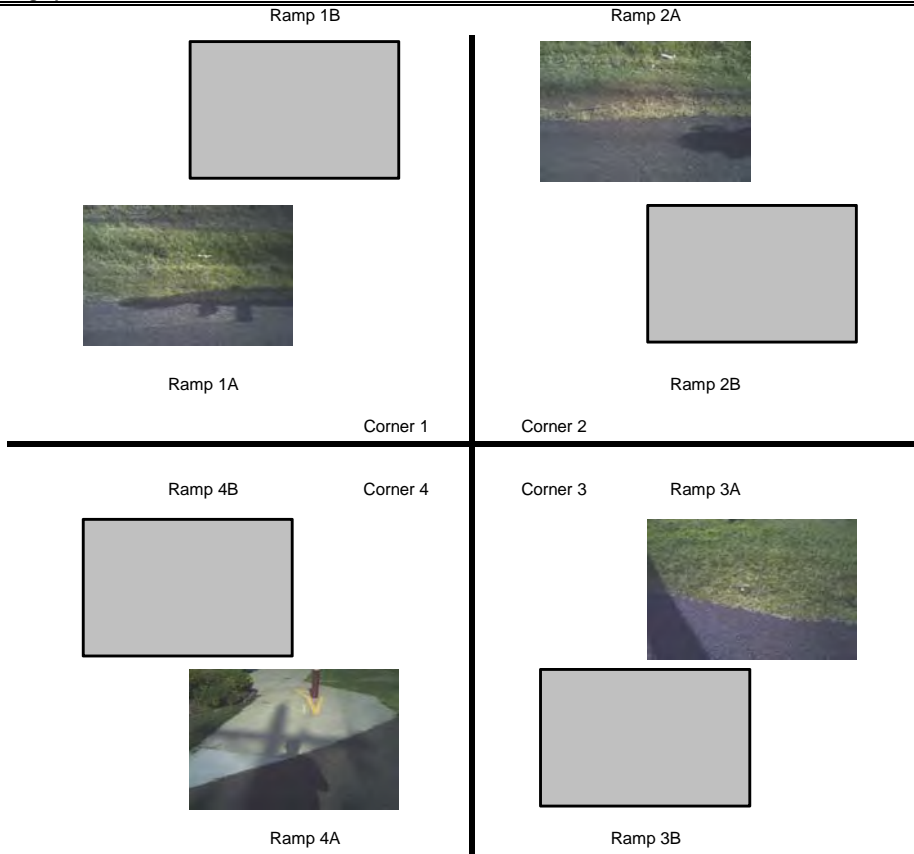
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	M	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S Toledo Ave

GPS ID: 24008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,009.60
Engineering: (% +/-)	15%	\$ 1,710.17
Contingency: (% +/-)	20%	\$ 2,280.23
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

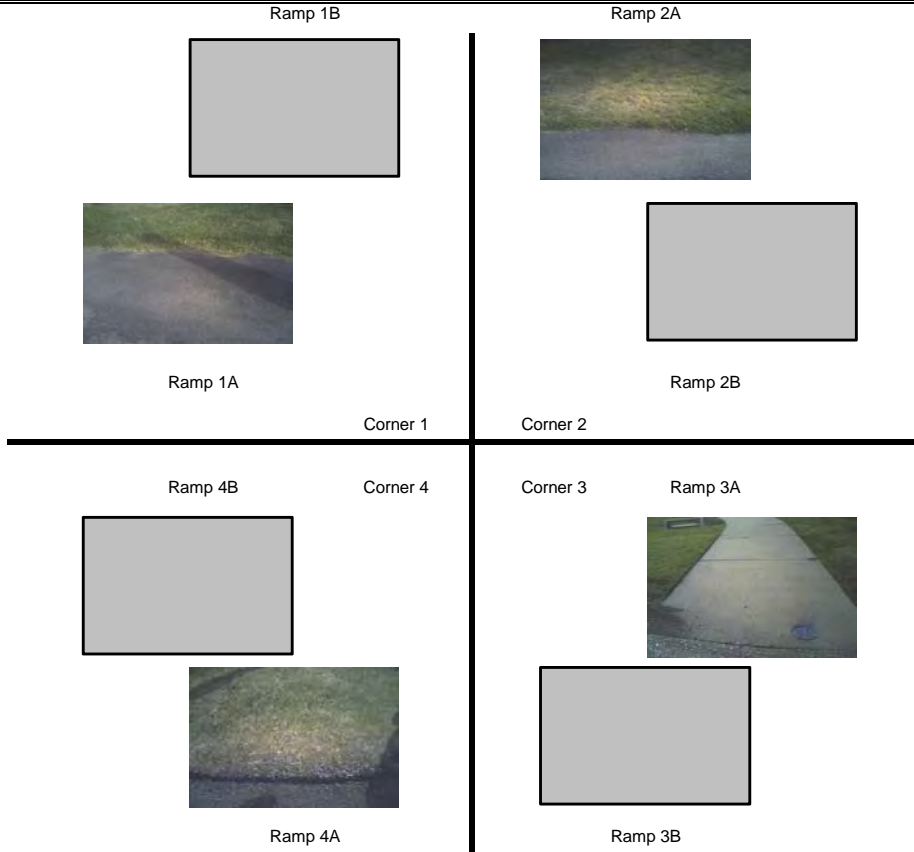
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S 84th East Ave

GPS ID: 24009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,870.40
Engineering: (% +/-)	15%	\$ 1,769.83
Contingency: (% +/-)	20%	\$ 2,359.77
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

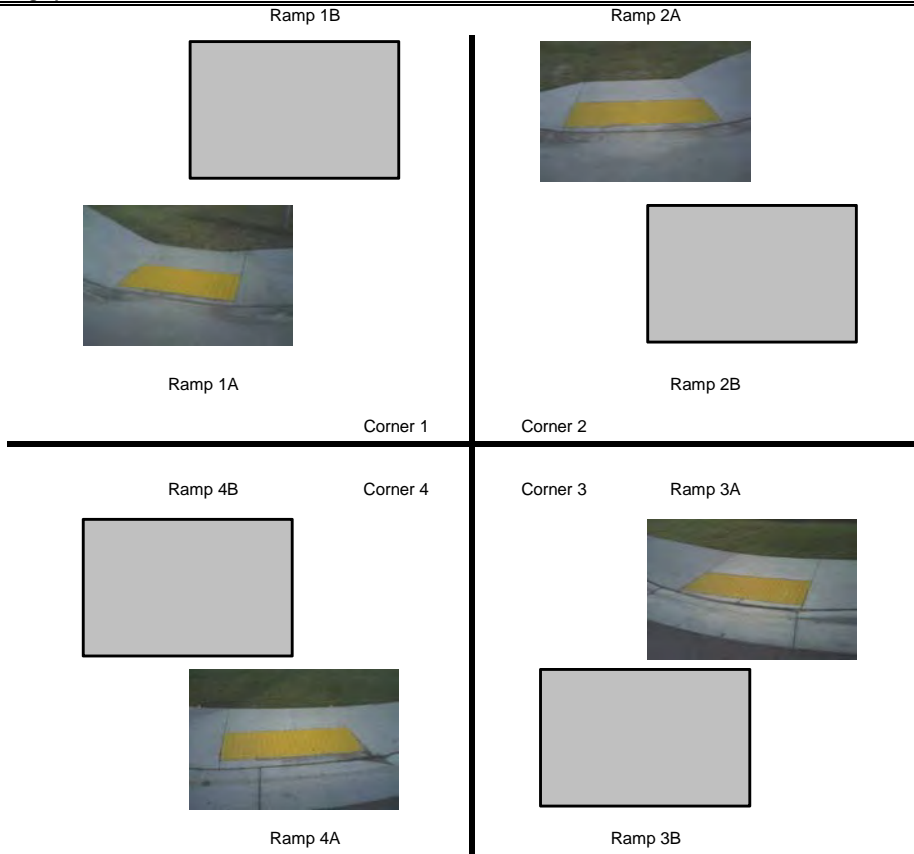
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S 86th East Ave (north)

GPS ID: 24010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,240.20
Engineering: (% +/-)	15%	\$ 754.20
Contingency: (% +/-)	20%	\$ 1,005.60
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

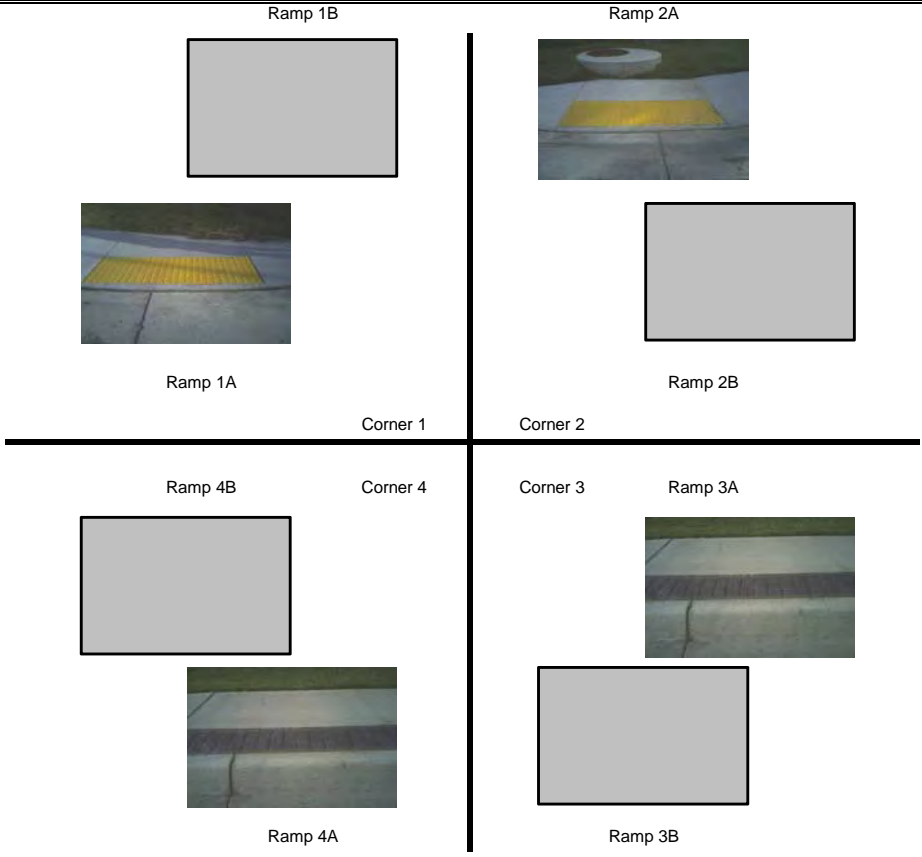
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S 86th East Ave (south)

GPS ID: 24011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

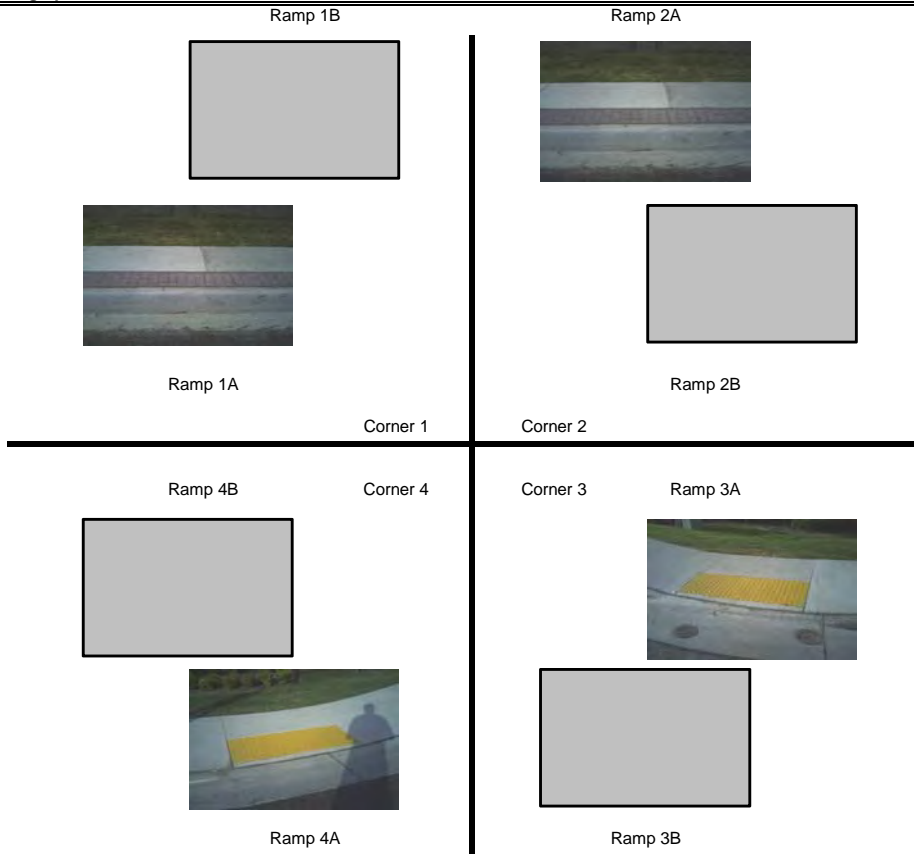
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 88th East Ave and E 81st St

GPS ID: 24012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,744.00
Engineering: (% +/-)	15%	\$ 966.86
Contingency: (% +/-)	20%	\$ 1,289.14
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

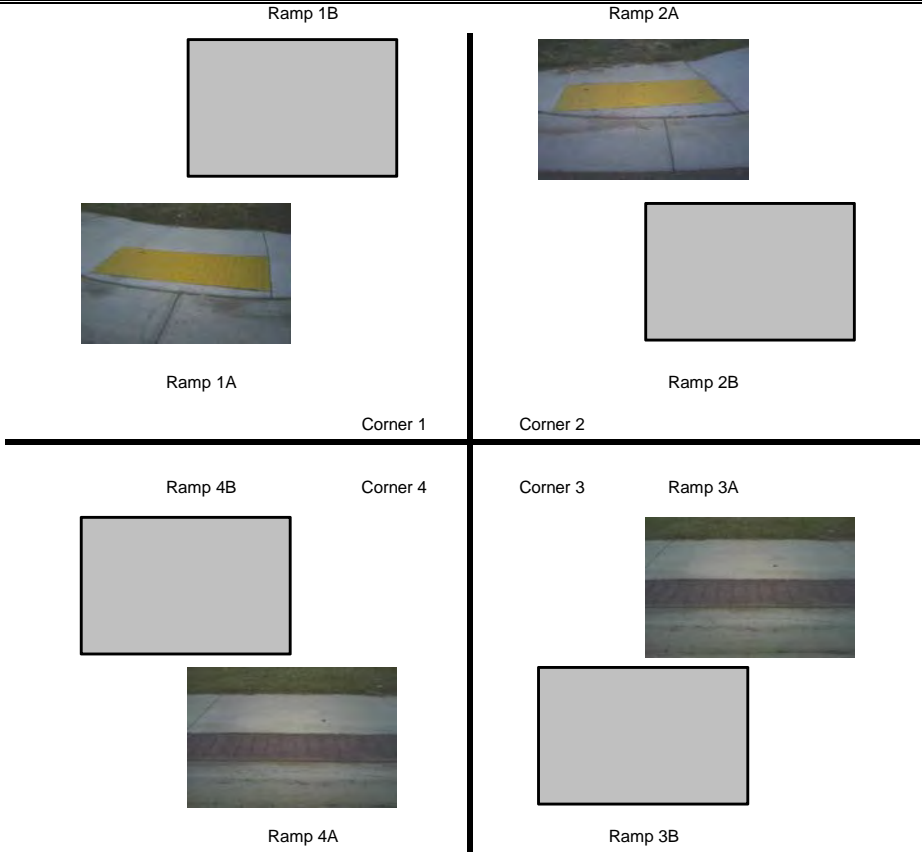
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 81st St and S 92nd East Ave

GPS ID: 24013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

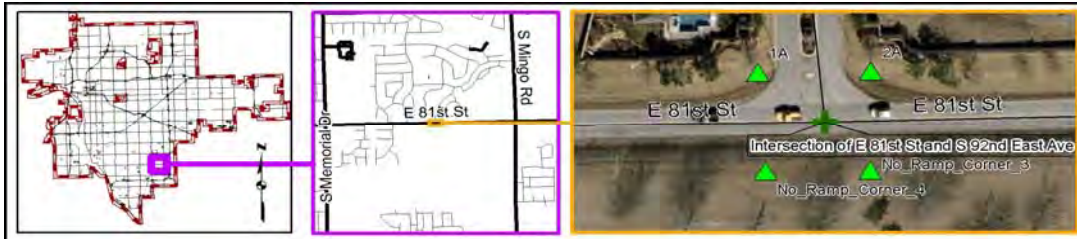
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

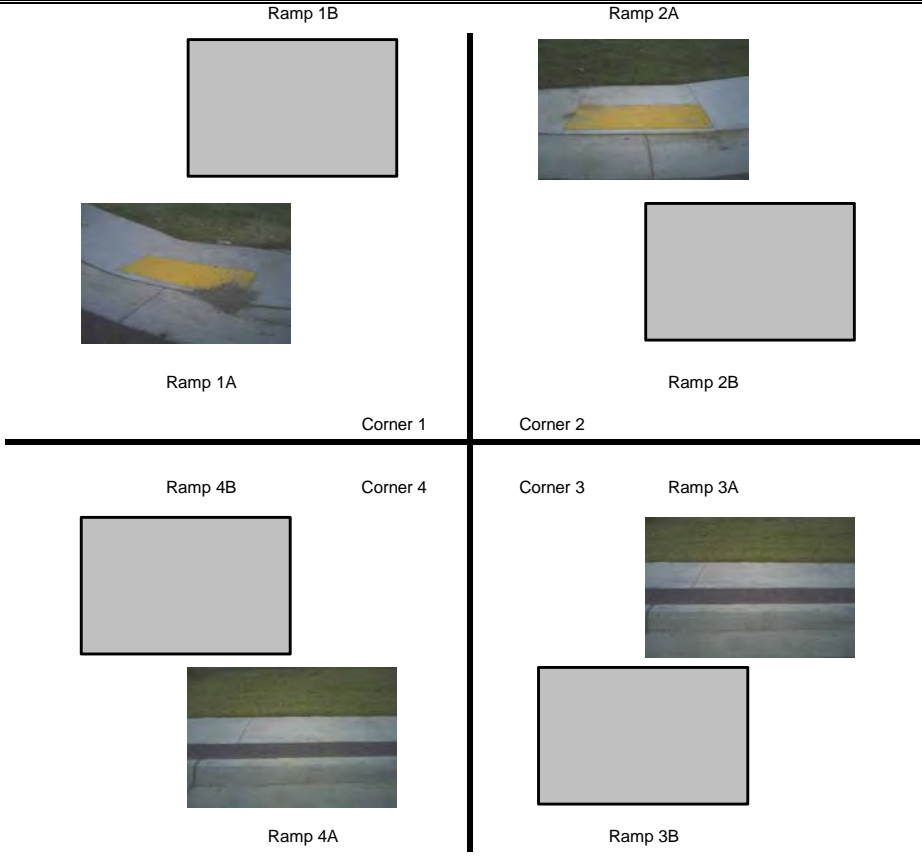
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 91st St and S Quebec Ave

GPS ID: 25001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,679.20
Engineering: (% +/-)	15%	\$ 1,851.77
Contingency: (% +/-)	20%	\$ 2,469.03
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

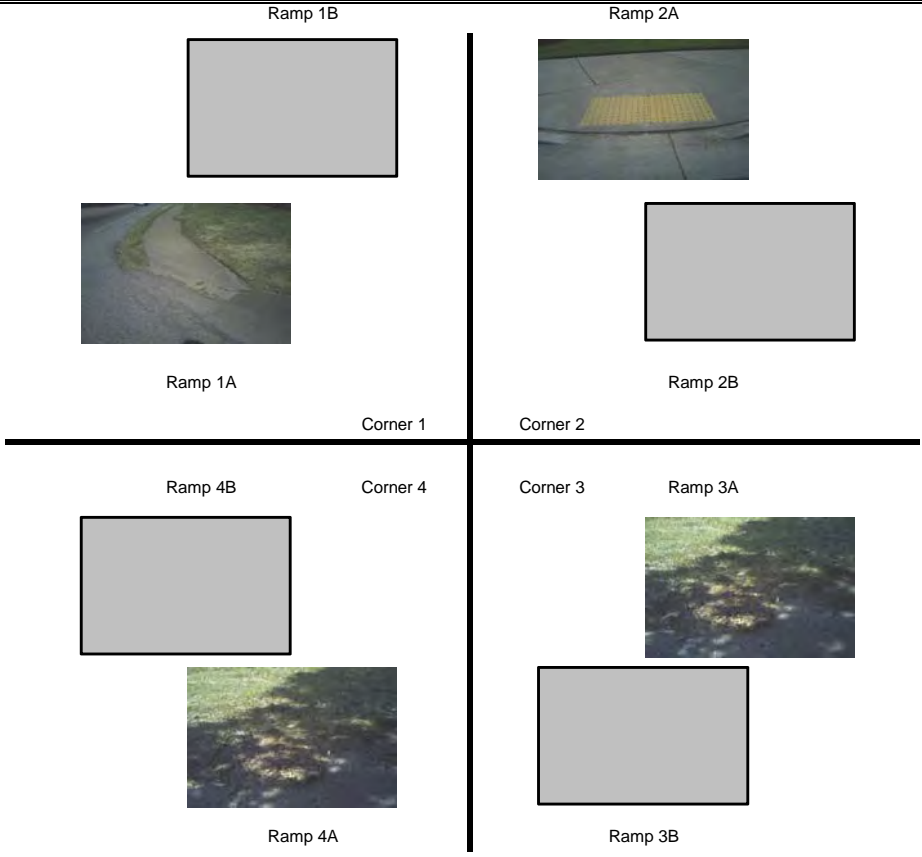
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 91st St and S Toledo Ave

GPS ID: 25002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,009.60
Engineering: (% +/-)	15%	\$ 1,710.17
Contingency: (% +/-)	20%	\$ 2,280.23
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

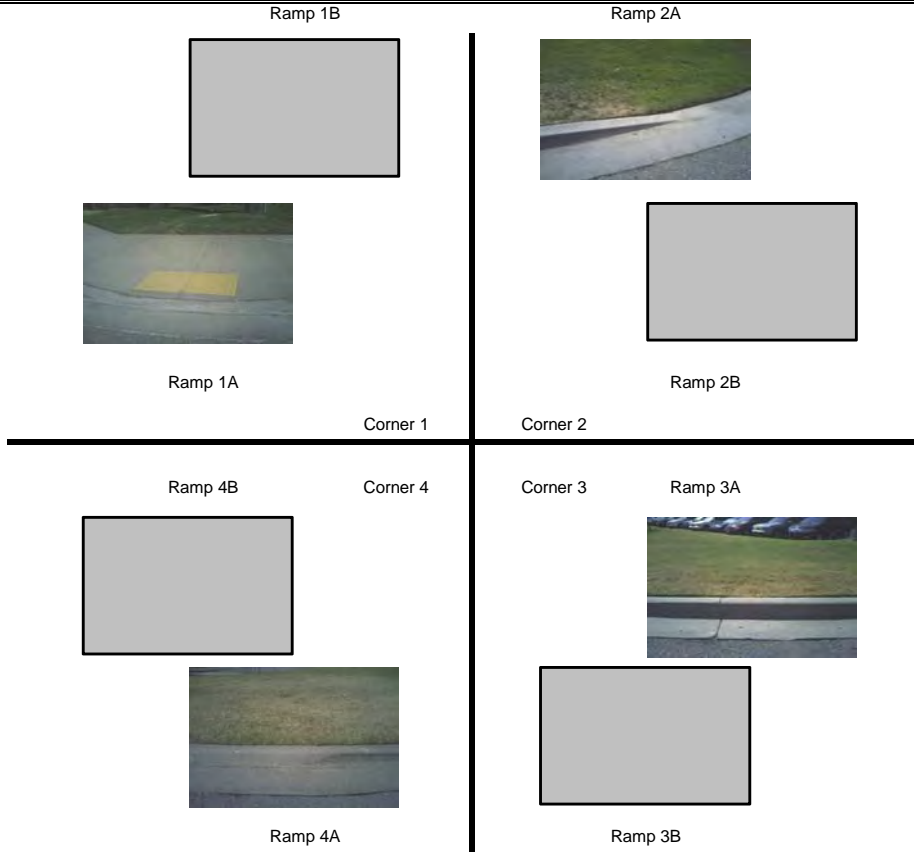
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 91st St and S Braden Ave

GPS ID: 25003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

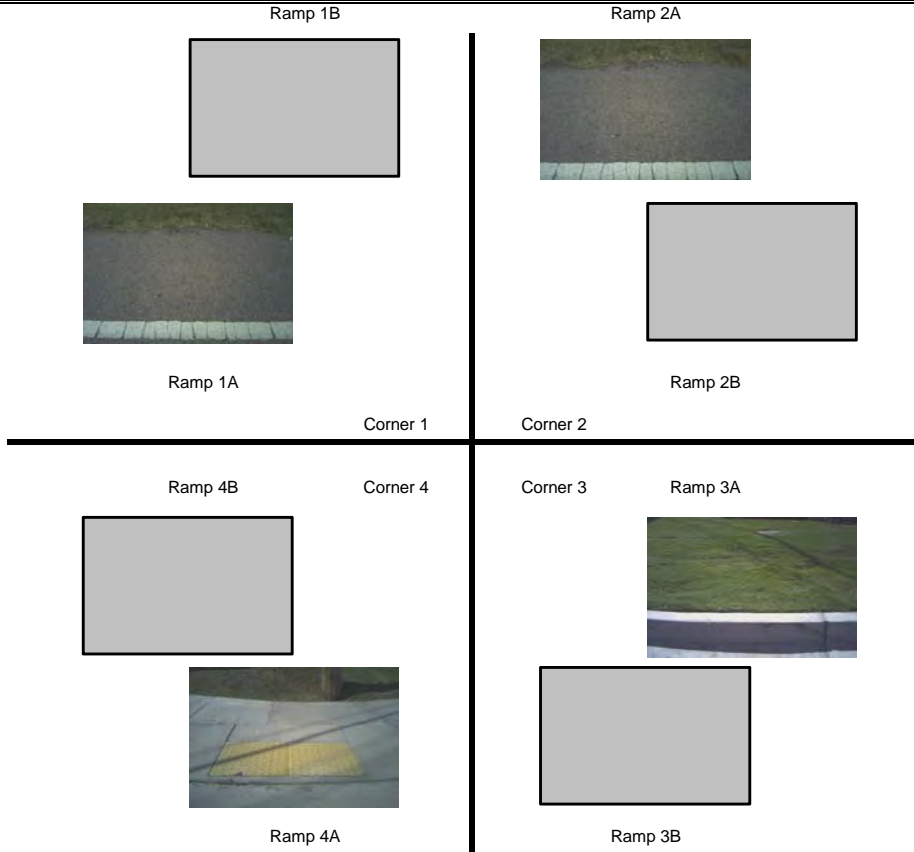
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and I-44 WB Ramp

GPS ID: 26000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,317.80
Engineering: (% +/-)	15%	\$ 2,863.80
Contingency: (% +/-)	20%	\$ 3,818.40
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

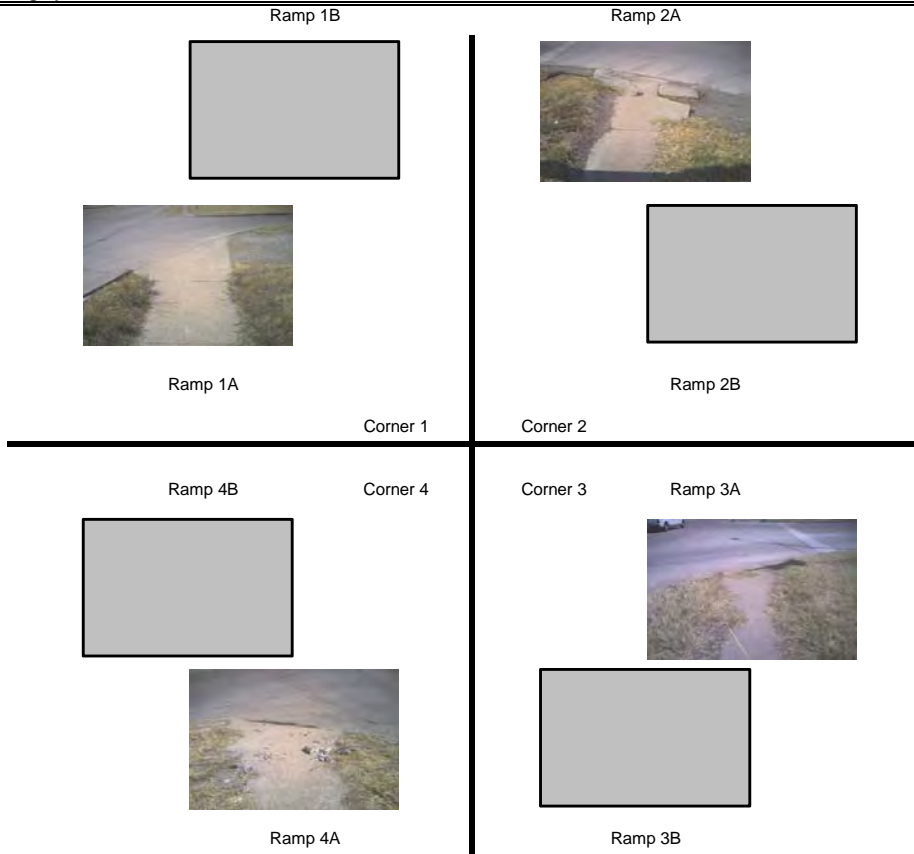
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and I-44 EB Ramp

GPS ID: 26001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

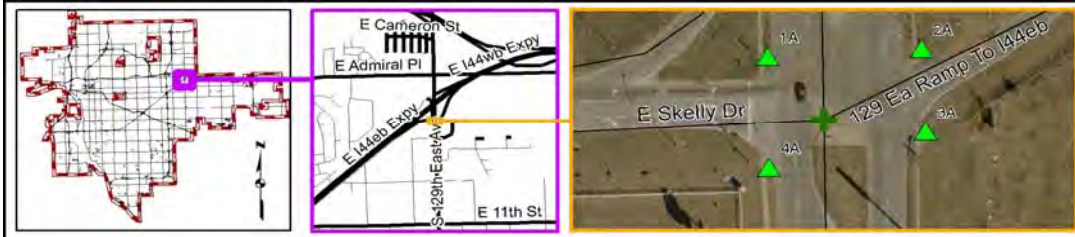
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,187.80
Engineering: (% +/-)	15%	\$ 2,490.94
Contingency: (% +/-)	20%	\$ 3,321.26
Estimated Project Cost:	\$	22,000.00

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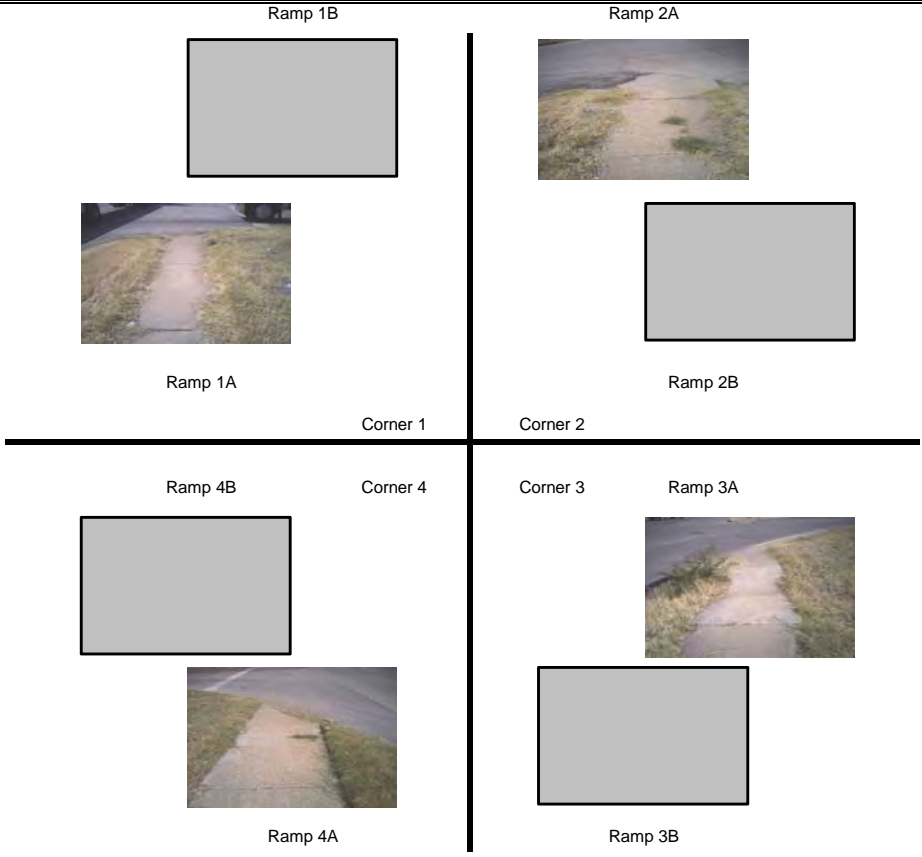
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X		X		X		Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 4th Pl

GPS ID: 26001A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed			X	X					Remove and replace ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"			X	X					Remove and replace ramp
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons			X	X					
Pedestrian pushbutton diameter is not 2"			X	X					Install landing area
Pedestrian pushbutton height is greater than 42"			X	X					
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X					Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X					
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry			X	X					Regrade roadway
Ramp Priority:			H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 5th St

GPS ID: 26002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

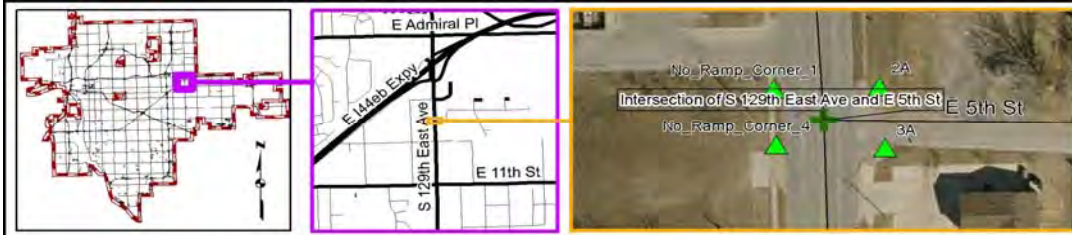
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations
	1A	1B	2A	2B	3A	4A	
Ramp does not land in crosswalk			X	X			Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							
Ramp does not exist and is needed				X			
Flare cross slope is greater than 10%							Remove and replace ramp
Ramp running slope is greater than 8.33%					X		
Ramp cross slope is greater than 2%							
Ramp width is less than 36"							Install colored truncated domes
Obstruction present in ramp or landing area			X	X			
No textured surface at base of ramp			X	X			
No color contrast at base of ramp			X	X			Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X			
No pedestrian push buttons							
Pedestrian pushbutton diameter is not 2'							Regrade roadway
Pedestrian pushbutton height is greater than 42"							
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X	X			
Ponding occurs at base of ramp			X	X			
Ramp not needed due to existing geometry							
Ramp Priority:			H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 7th St and S 129th East Ave

GPS ID: 26003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

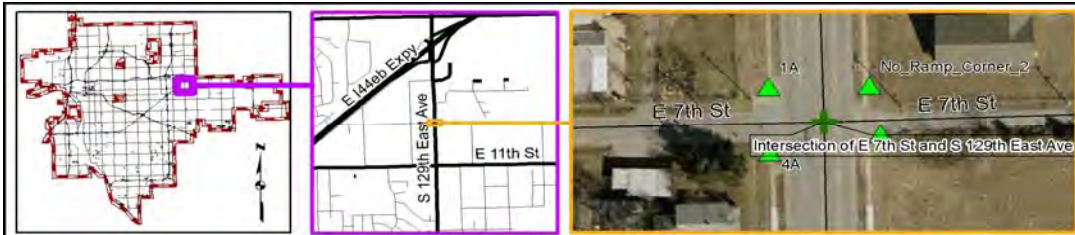
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,839.00
Engineering: (% +/-)	15%	\$ 3,069.00
Contingency: (% +/-)	20%	\$ 4,092.00
Estimated Project Cost:	\$	25,000.00

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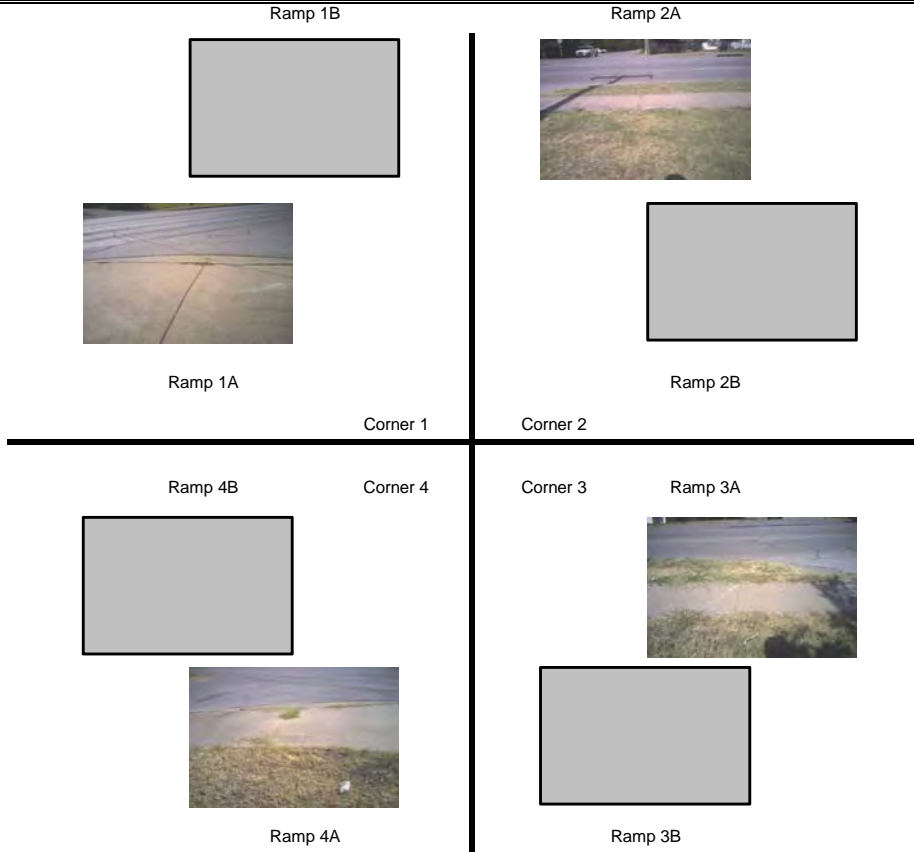
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	-	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X				
Ramp does not exist and is needed									Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X							X	Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 13th St GPS ID: 26004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	12,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,172.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,896.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

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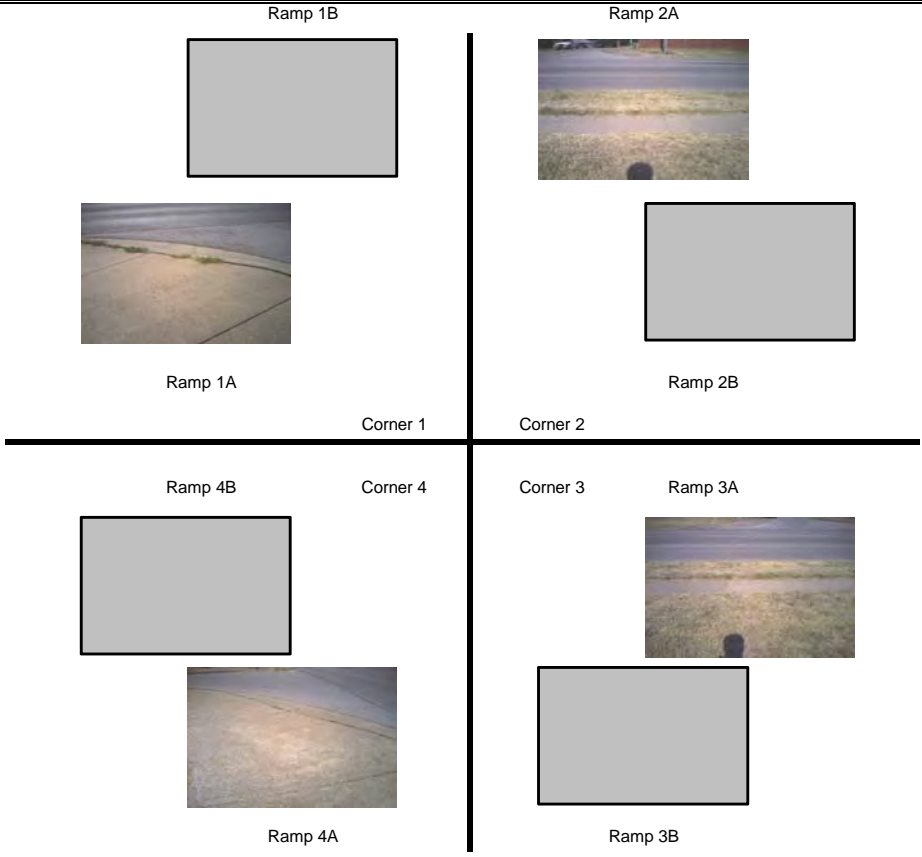
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 14th St GPS ID: 26005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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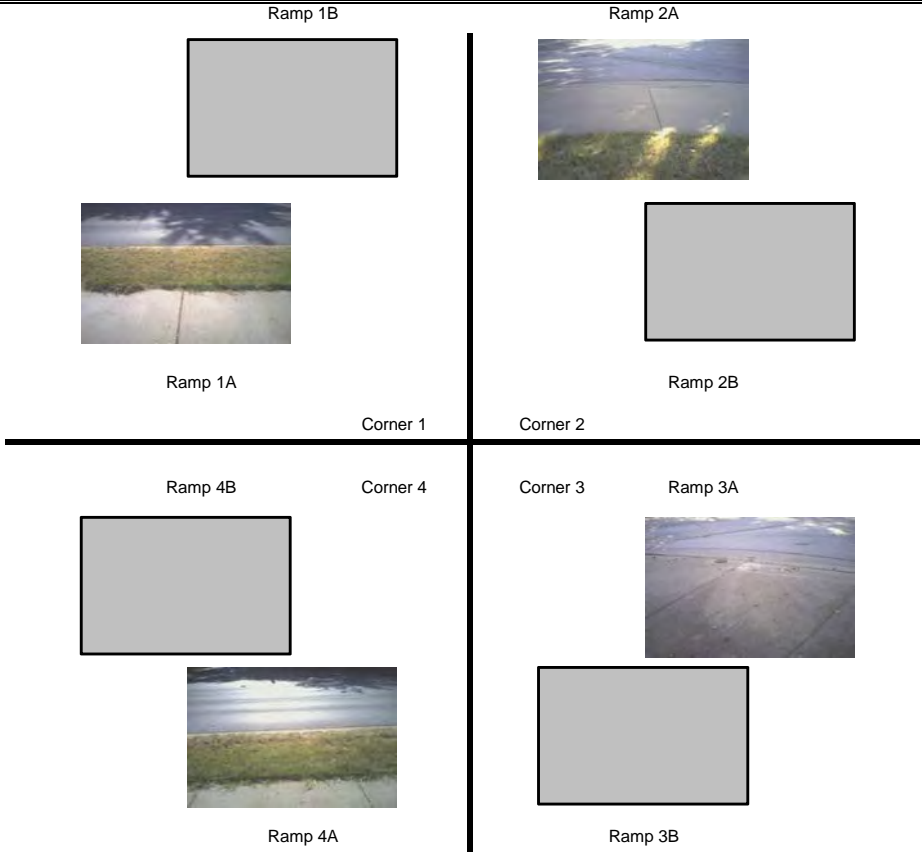
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations
	1A	1B	2A	2B	3A	4A	
Ramp does not land in crosswalk			X	X			Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X			
Ramp does not exist and is needed			X	X			Remove and replace ramp
Flare cross slope is greater than 10%			X	X			
Ramp running slope is greater than 8.33%			X	X			
Ramp cross slope is greater than 2%			X	X			Install colored truncated domes
Ramp width is less than 36"			X	X			
Obstruction present in ramp or landing area				X			Install landing area
No textured surface at base of ramp			X	X			
No color contrast at base of ramp			X	X			Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X			
No pedestrian push buttons							Regrade roadway
Pedestrian pushbutton diameter is not 2"							
Pedestrian pushbutton height is greater than 42"							Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X			Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X	X			
Ponding occurs at base of ramp			X	X			Regrade roadway
Ramp not needed due to existing geometry			X	X			
Ramp Priority:	-		H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 15th St GPS ID: 26006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	12,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,172.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,896.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

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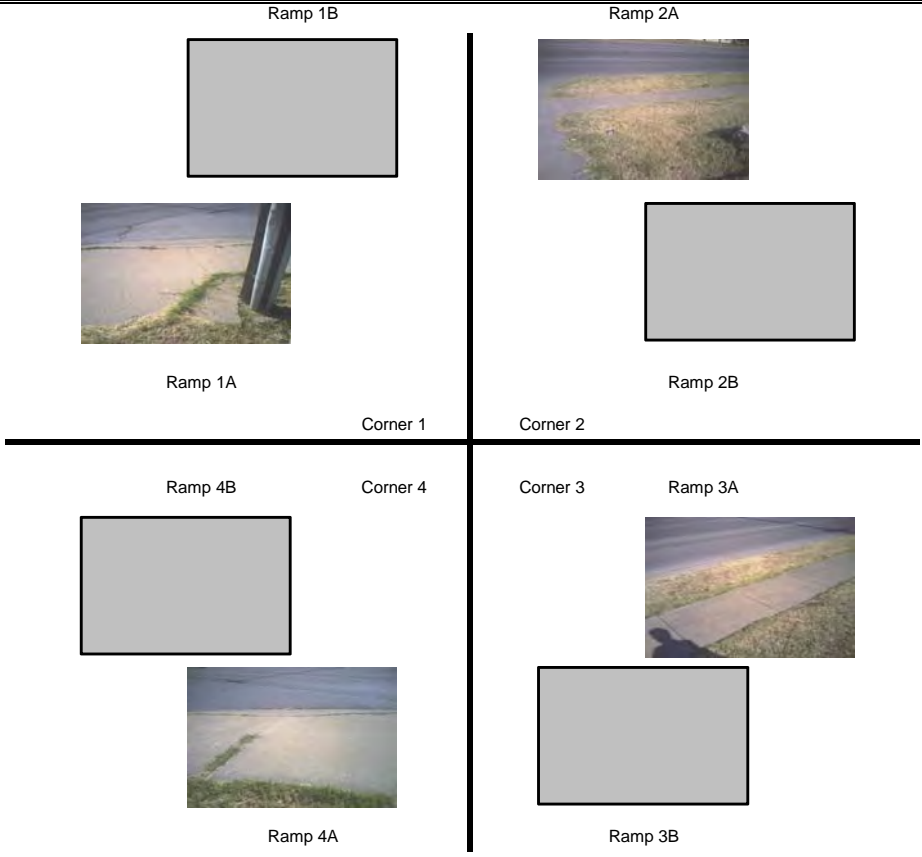
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Remove and replace ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		Remove and replace ramp
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 16th PI

GPS ID: 26007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Install colored truncated domes
Ramp width is less than 36"	X						X		
Obstruction present in ramp or landing area							X		Install landing area
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 17th St GPS ID: 26008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

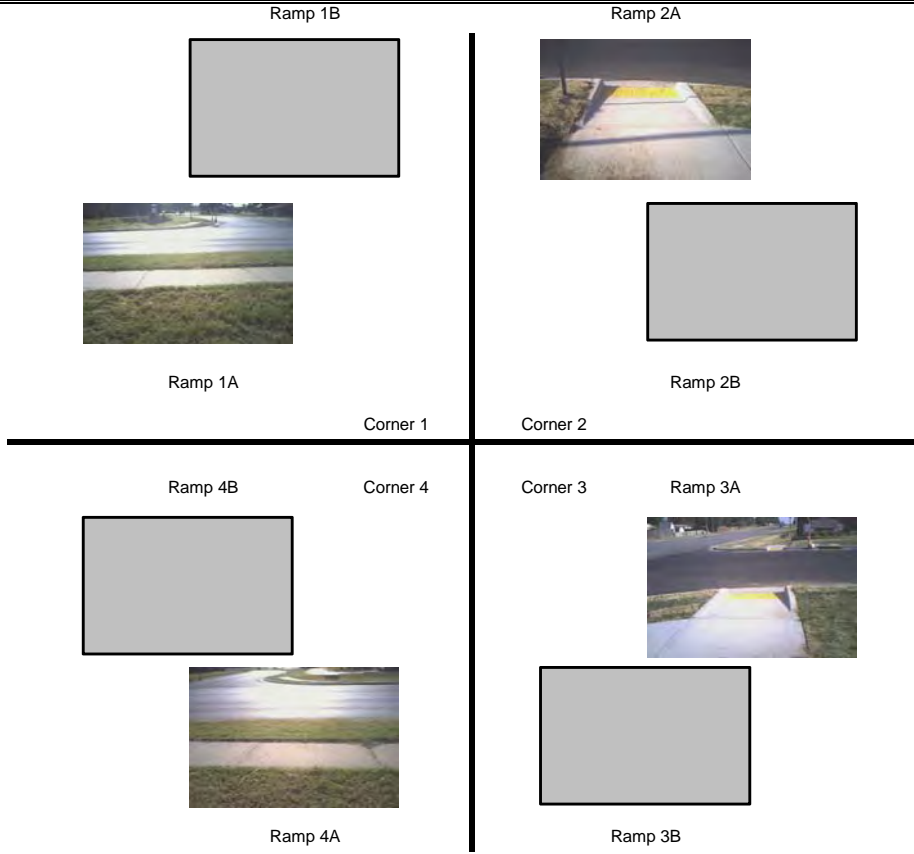
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk			X	X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk								
Ramp does not exist and is needed								Remove and replace ramp
Flare cross slope is greater than 10%			X	X				
Ramp running slope is greater than 8.33%			X	X				
Ramp cross slope is greater than 2%			X	X				
Ramp width is less than 36"								Install landing area
Obstruction present in ramp or landing area			X	X				
No textured surface at base of ramp								Ramp Priority: - H M -
No color contrast at base of ramp								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								
No pedestrian push buttons								
Pedestrian pushbutton diameter is not 2"								
Pedestrian pushbutton height is greater than 42"								
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								
Ramp transition onto roadway is greater than 0.25"								
Ponding occurs at base of ramp								
Ramp not needed due to existing geometry								
Ramp Priority:			H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 18th St GPS ID: 26009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$ 20,709.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 3,124.71
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20% \$ 4,166.29
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	-	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	-	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X				
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X						X		
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 31st Ct (east)

GPS ID: 26012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,709.00
Engineering: (% +/-)	15%	\$ 2,696.14
Contingency: (% +/-)	20%	\$ 3,594.86
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

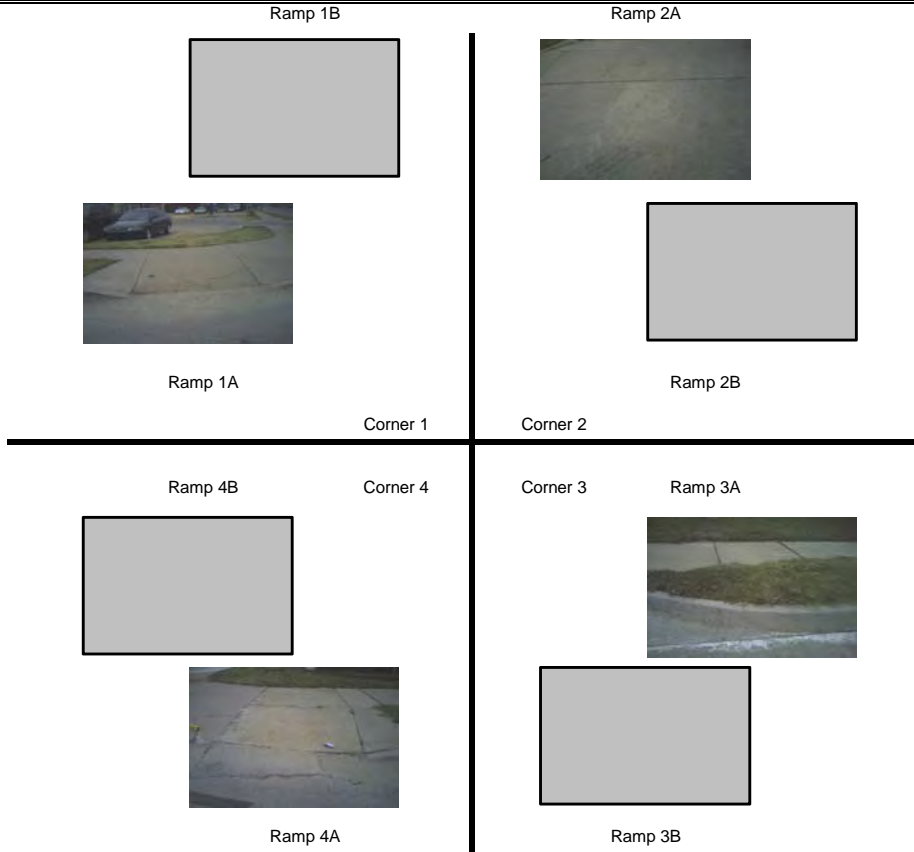
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 31st Ct (west)

GPS ID: 26013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,370.20
Engineering: (% +/-)	15%	\$ 1,555.63
Contingency: (% +/-)	20%	\$ 2,074.17
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

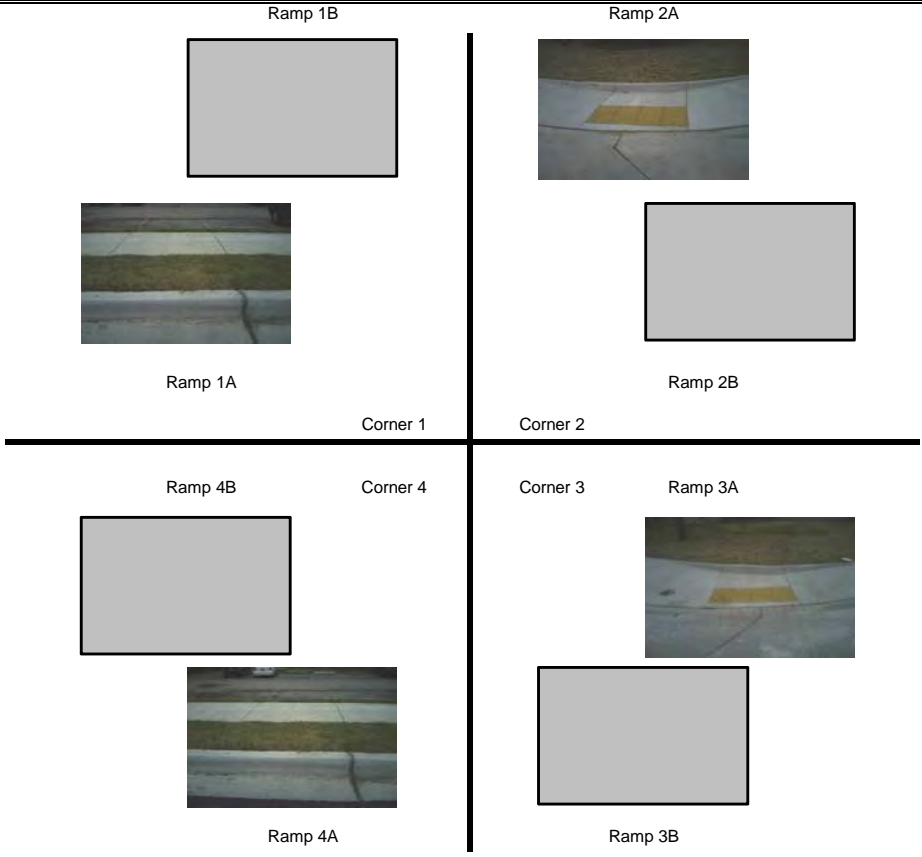
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 43rd St

GPS ID: 26022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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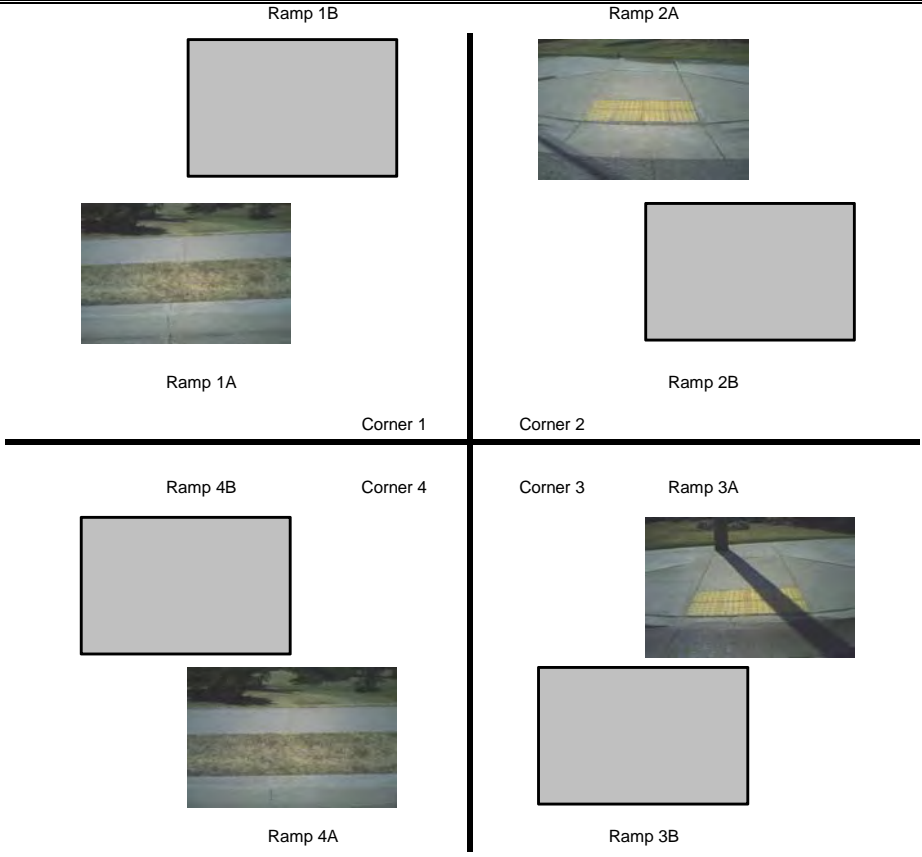
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 43rd PI GPS ID: 26023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	10,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,743.69
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,324.91
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	15,000.00

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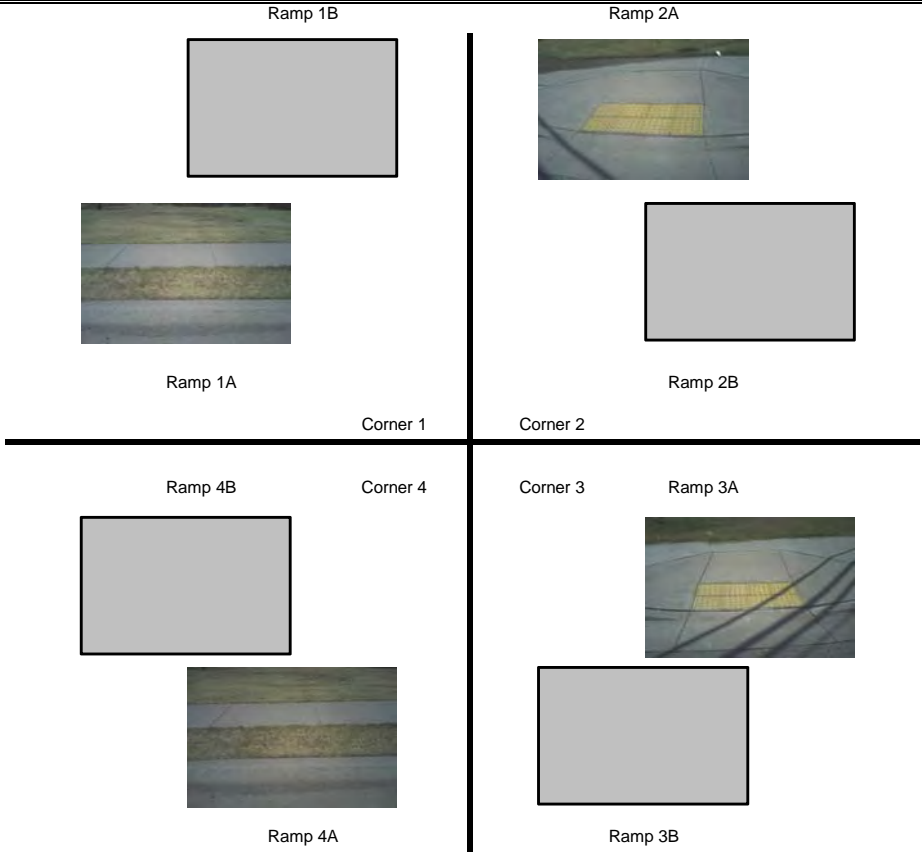
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 129th East Ave and E 45th St GPS ID: 26024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

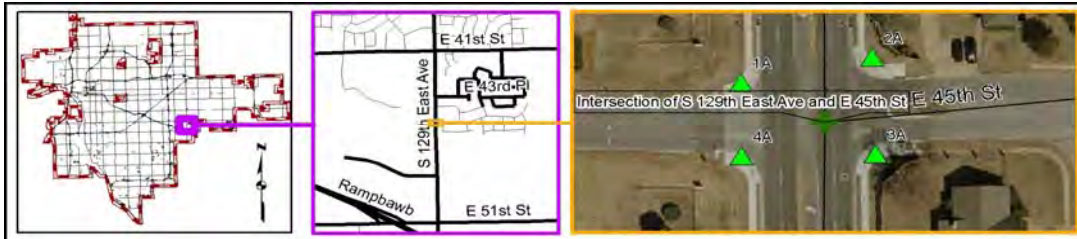
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,252.80
Engineering: (% +/-)	15%	\$ 2,891.66
Contingency: (% +/-)	20%	\$ 3,855.54
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

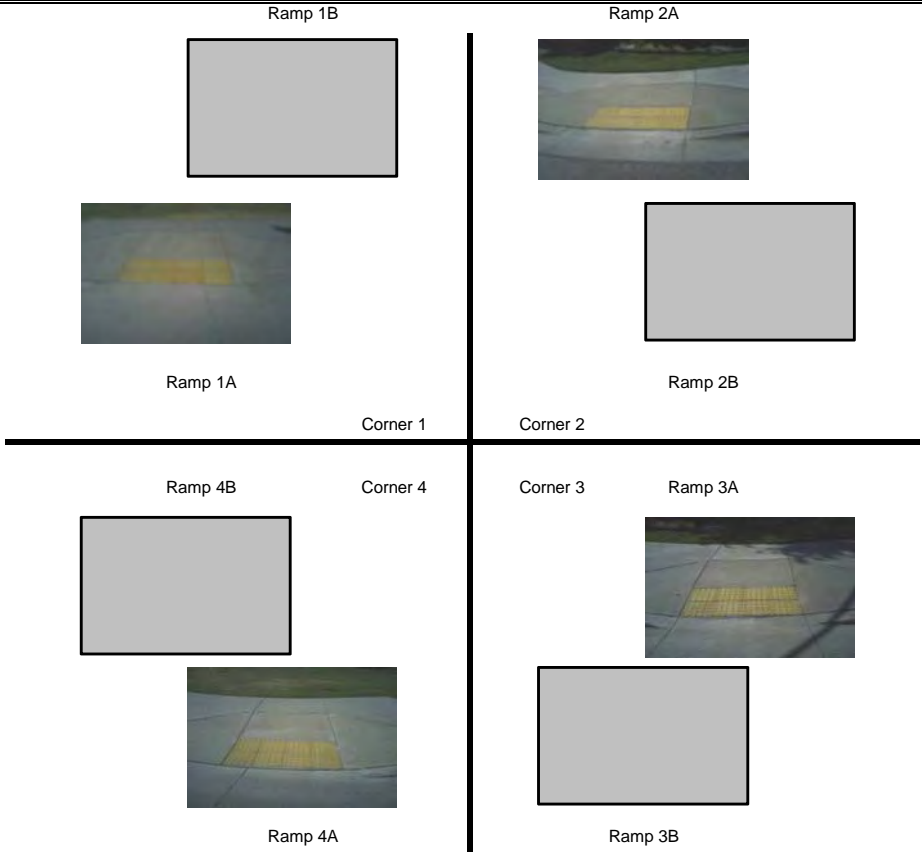
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%	X		X	X			X		
Ramp cross slope is greater than 2%	X		X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Quincy Ave and E 1st St

GPS ID: 27000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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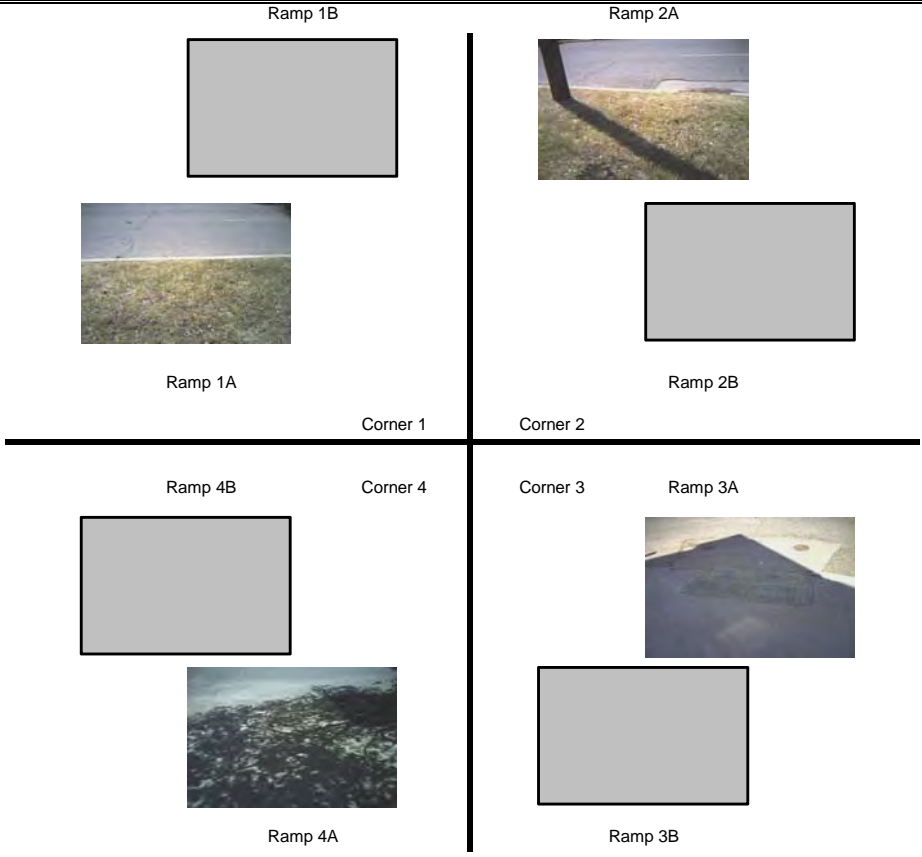
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Rockford Ave and E 1st St

GPS ID: 27001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk				X			X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%				X			X		
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%				X					
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Trenton Ave and E 1st St

GPS ID: 27002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	240	LF	\$ 6.50	\$ 1,560.00
5	PAVEMENT MARKING REMOVAL	160	LF	\$ 2.00	\$ 320.00
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,486.40
Engineering: (% +/-)	15%	\$ 1,505.83
Contingency: (% +/-)	20%	\$ 2,007.77
Estimated Project Cost:	\$	12,000.00

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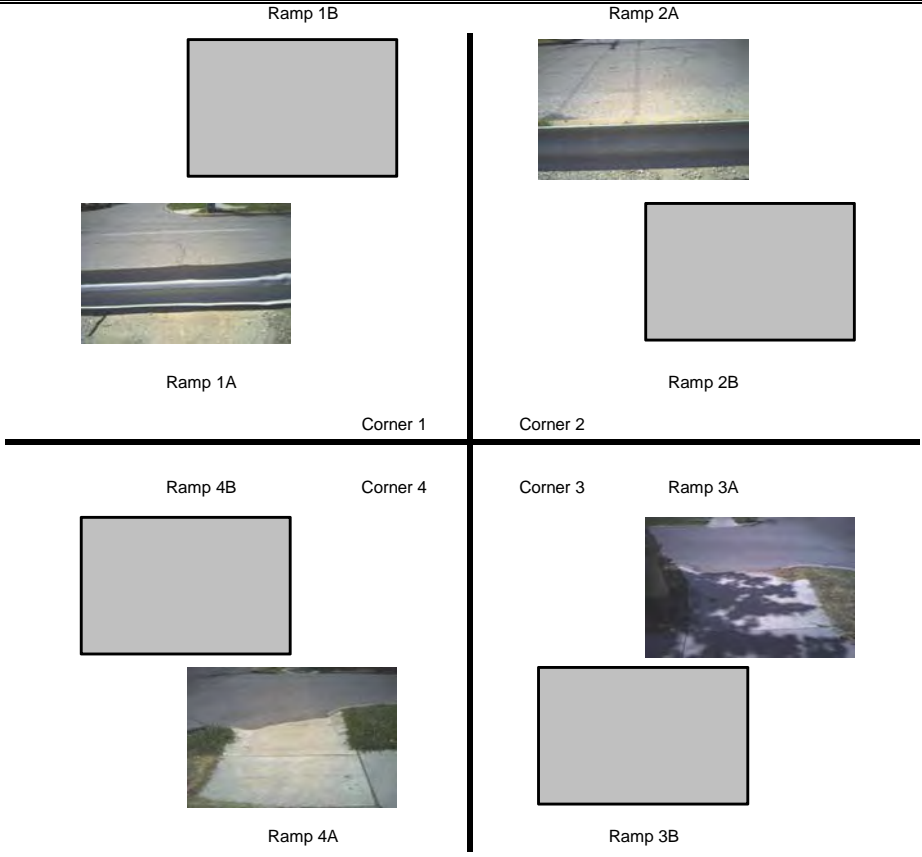
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations
	1A	1B	2A	2B	3A	4A	
Ramp does not land in crosswalk				X		X	Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							
Ramp does not exist and is needed				X		X	Remove and replace ramp
Flare cross slope is greater than 10%						X	
Ramp running slope is greater than 8.33%						X	
Ramp cross slope is greater than 2%						X	Remove and replace ramp
Ramp width is less than 36"						X	
Obstruction present in ramp or landing area							Install colored truncated domes
No textured surface at base of ramp				X		X	
No color contrast at base of ramp				X		X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X	
No pedestrian push buttons							
Pedestrian pushbutton diameter is not 2"							
Pedestrian pushbutton height is greater than 42"							
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							Regrade roadway
Ramp transition onto roadway is greater than 0.25"				X			
Ponding occurs at base of ramp							
Ramp not needed due to existing geometry							
Ramp Priority:	-	-	-	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Victor Ave

GPS ID: 28000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	210	LF	\$ 6.50	\$ 1,365.00
5	PAVEMENT MARKING REMOVAL	160	LF	\$ 2.00	\$ 320.00
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,291.40
Engineering: (% +/-)	15%	\$ 1,160.83
Contingency: (% +/-)	20%	\$ 1,547.77
Estimated Project Cost:	\$	10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Wheeling Ave

GPS ID: 28001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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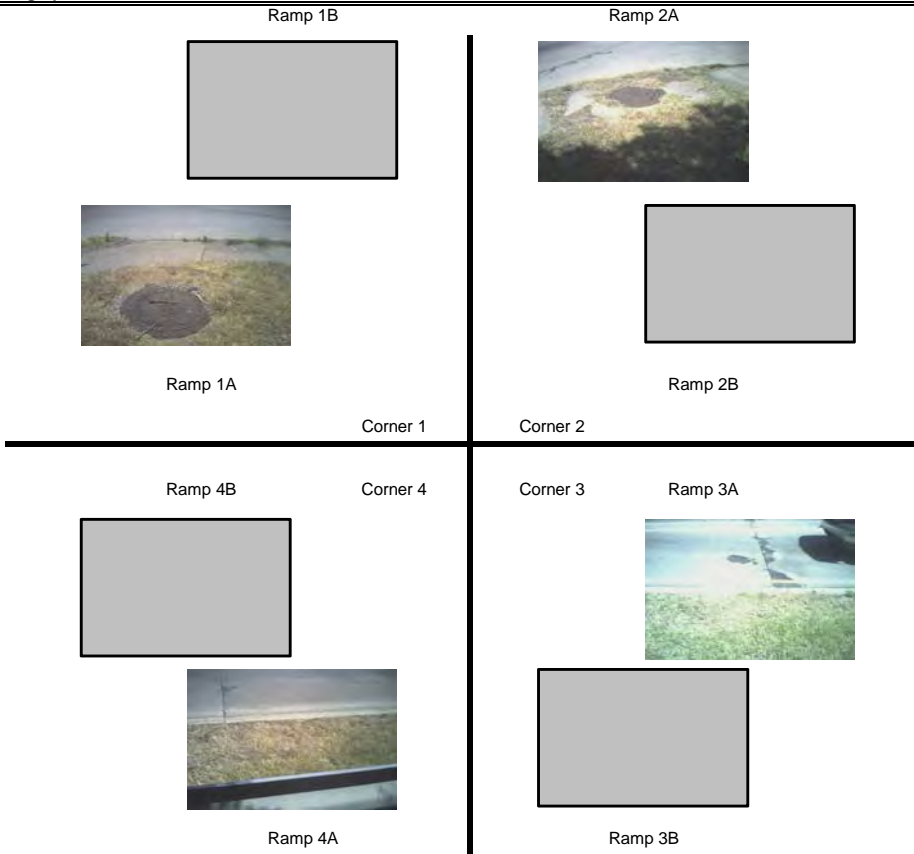
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Xanthus Ave

GPS ID: 28002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,102.60
Engineering: (% +/-)	15%	\$	1,670.31
Contingency: (% +/-)	20%	\$	2,227.09
Estimated Project Cost:		\$	14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Yorktown Ave

GPS ID: 28003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,102.60
Engineering: (% +/-)	15%	\$	1,670.31
Contingency: (% +/-)	20%	\$	2,227.09
Estimated Project Cost:		\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Zunis Ave

GPS ID: 28004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,102.60
Engineering: (% +/-)	15%	\$ 1,670.31
Contingency: (% +/-)	20%	\$ 2,227.09
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Gillette Ave
 GPS ID: 28005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	5,102.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 813.17
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20%	\$ 1,084.23
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	7,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Lewis PI

GPS ID: 28006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

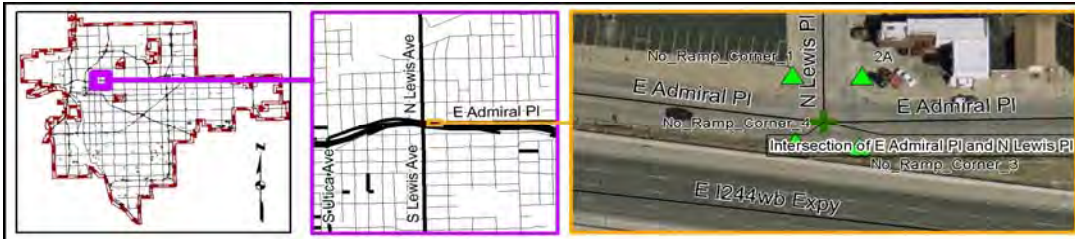
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,517.00
Engineering: (% +/-)	15%	\$ 1,064.14
Contingency: (% +/-)	20%	\$ 1,418.86
Estimated Project Cost:	\$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Atlanta Ave

GPS ID: 28007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,128.20
Engineering: (% +/-)	15%	\$ 1,659.34
Contingency: (% +/-)	20%	\$ 2,212.46
Estimated Project Cost:	\$	13,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Birmingham Ave

GPS ID: 28008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	14,820.20
Engineering: (% +/-)	15%	\$	2,648.49
Contingency: (% +/-)	20%	\$	3,531.31
Estimated Project Cost:		\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Columbia Ave

GPS ID: 28009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,258.20
Engineering: (% +/-)	15%	\$ 1,603.63
Contingency: (% +/-)	20%	\$ 2,138.17
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H	L	-	-	-	-	-	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Florence Ave

GPS ID: 28010A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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19					
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21					
22					

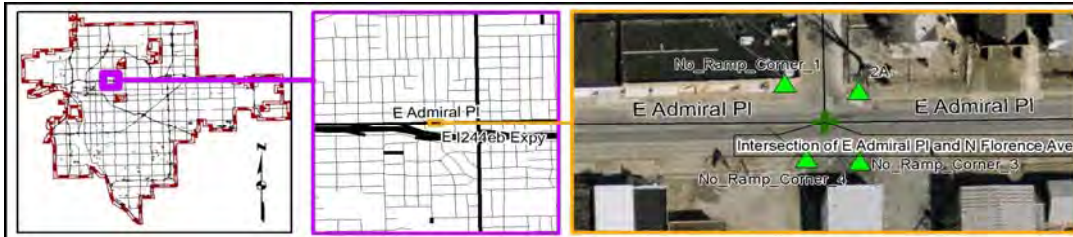
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,517.00
Engineering: (% +/-)	15%	\$ 1,921.29
Contingency: (% +/-)	20%	\$ 2,561.71
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	-	-	-	-	-	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N College Ave and E Admiral PI

GPS ID: 28010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

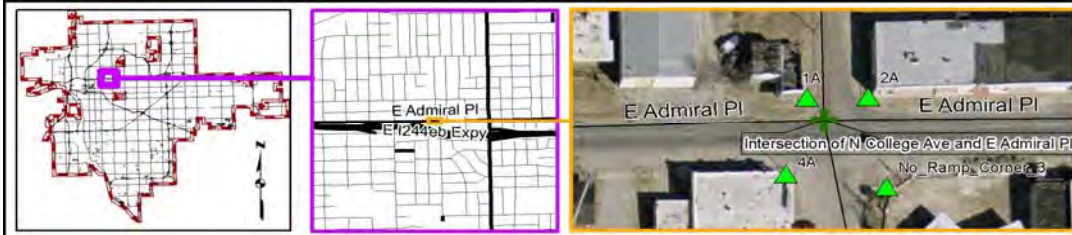
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,577.20
Engineering: (% +/-)	15%	\$ 3,609.77
Contingency: (% +/-)	20%	\$ 4,813.03
Estimated Project Cost:	\$	30,000.00

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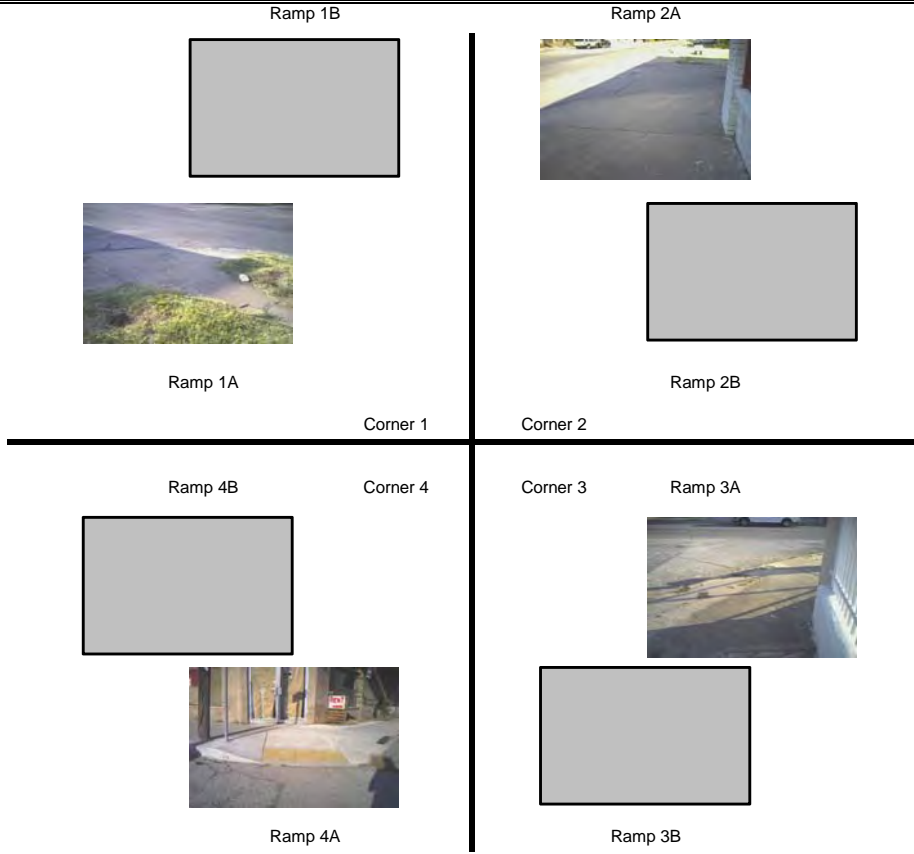
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Danger	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%			X					X	
Ramp running slope is greater than 8.33%			X					X	
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X					X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Gary Ave and E Admiral PI

GPS ID: 28011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,400.20
Engineering: (% +/-)	15%	\$ 3,257.06
Contingency: (% +/-)	20%	\$ 4,342.74
Estimated Project Cost:	\$	28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

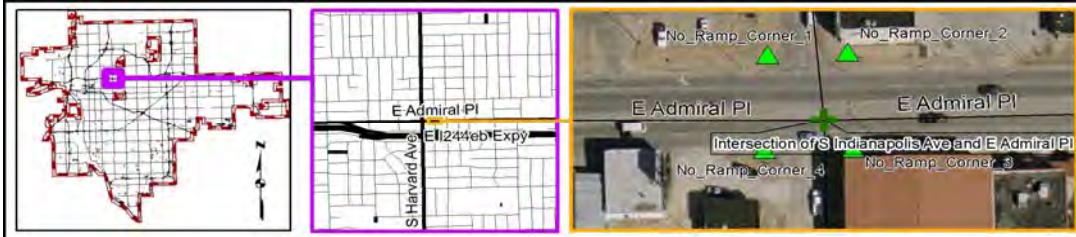
Project Name: Intersection of S Indianapolis Ave and E Admiral PI GPS ID: 28012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	20,595.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15%	\$ 3,173.49
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-) 20%	\$ 4,231.31
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Jamestown Ave and E Admiral PI

GPS ID: 28013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,871.80
Engineering: (% +/-)	15%	\$ 3,054.94
Contingency: (% +/-)	20%	\$ 4,073.26
Estimated Project Cost:	\$	27,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Knoxville Ave and E Admiral PI

GPS ID: 28014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
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21					
22					

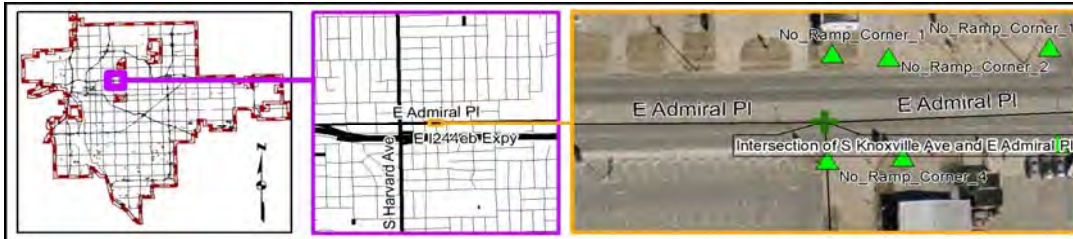
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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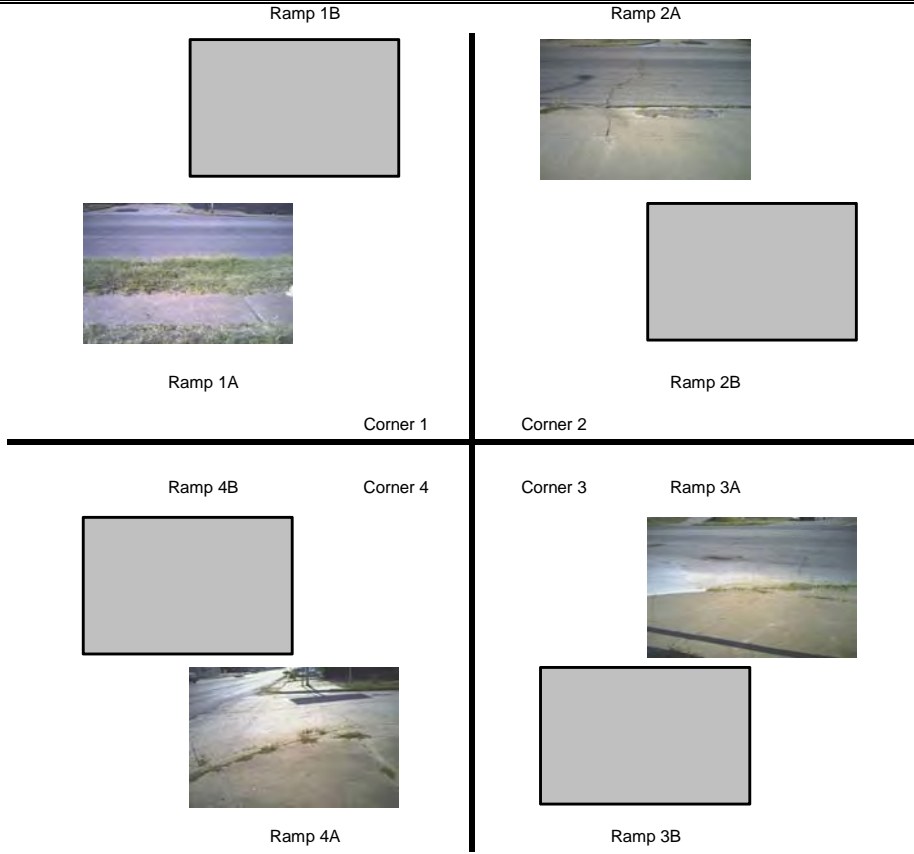
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Knoxville Ave

GPS ID: 28015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Louisville Ave and E Admiral PI

GPS ID: 28016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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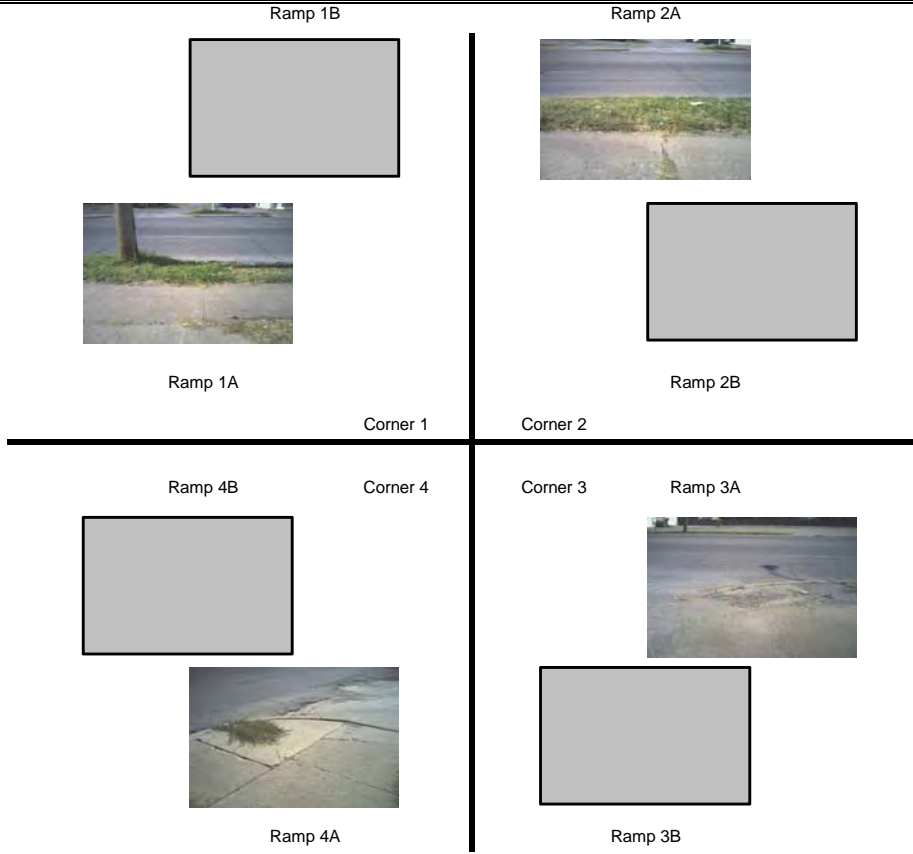
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

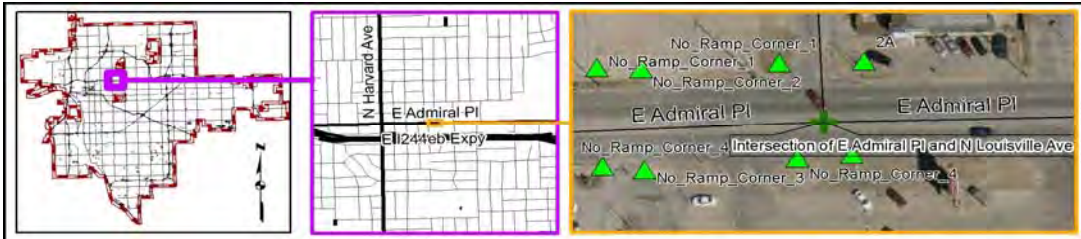
Project Name: Intersection of E Admiral Pl and N Louisville Ave GPS ID: 28017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	11,712.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15%	\$ 1,837.71
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20%	\$ 2,450.29
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	16,000.00

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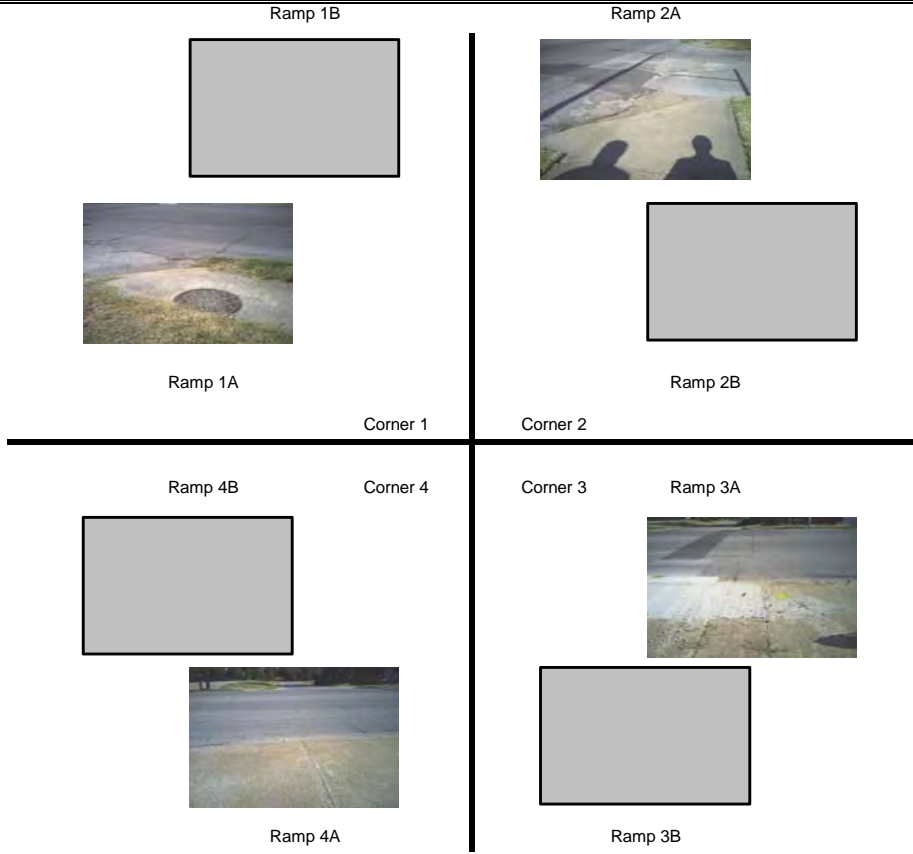
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk	X								
Ramp does not exist and is needed			X						Remove and replace ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Install colored truncated domes
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						Install landing area
No textured surface at base of ramp			X						
No color contrast at base of ramp			X						Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons			X						
Pedestrian pushbutton diameter is not 2"			X						Regrade roadway
Pedestrian pushbutton height is greater than 42"			X						
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X						
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X						Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry			X						
Ramp Priority:	H	H	-	-	-	-	-	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N New Haven Ave

GPS ID: 28018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

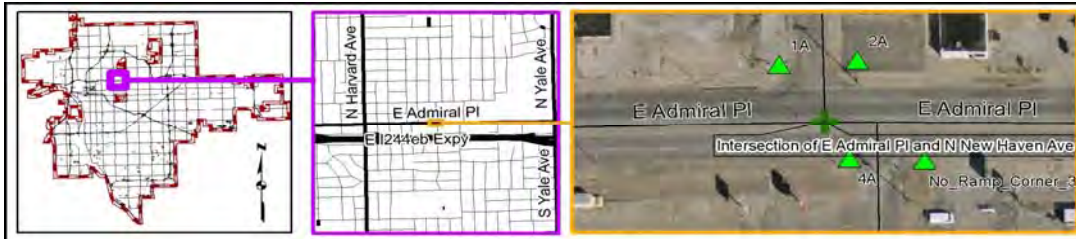
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,318.40
Engineering: (% +/-)	15%	\$ 3,292.11
Contingency: (% +/-)	20%	\$ 4,389.49
Estimated Project Cost:	\$	27,000.00

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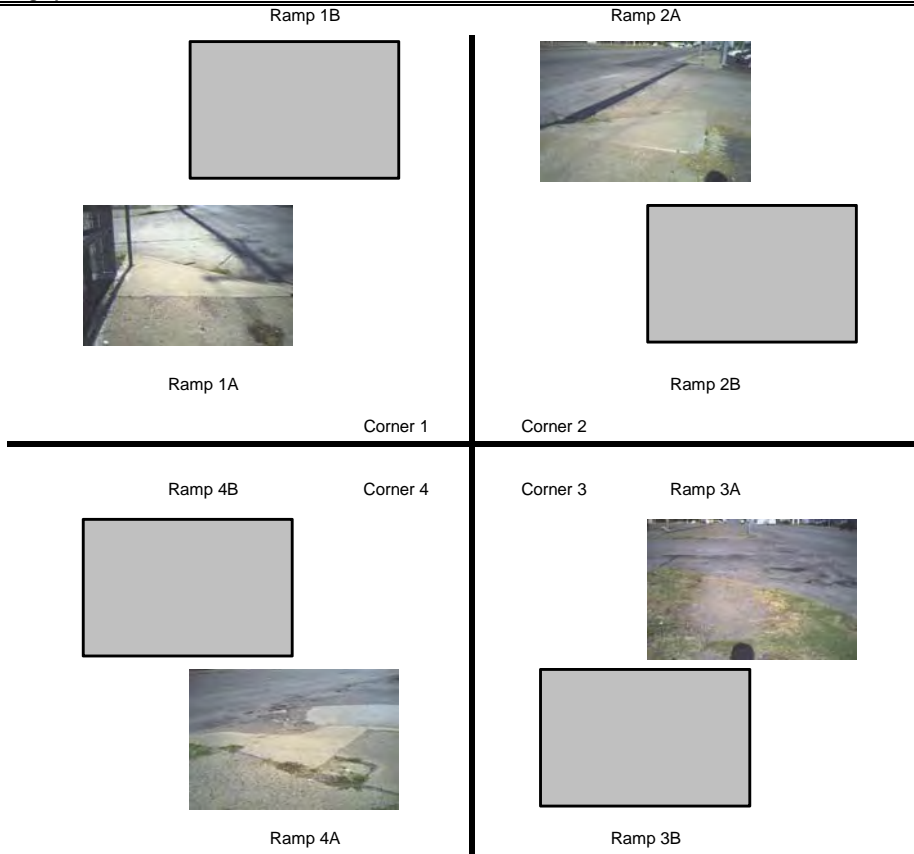
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk					X				
Ramp does not exist and is needed								X	
Flare cross slope is greater than 10%	X		X					X	Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X					X	
Ramp cross slope is greater than 2%	X		X					X	
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X					X	
No color contrast at base of ramp	X		X					X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X					X	
Ponding occurs at base of ramp	X		X					X	
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Sandusky Ave

GPS ID: 28021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,939.20
Engineering: (% +/-)	15%	\$ 2,168.91
Contingency: (% +/-)	20%	\$ 2,891.89
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Urbana Ave
 GPS ID: 28022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	11,712.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,837.71
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,450.29
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	16,000.00

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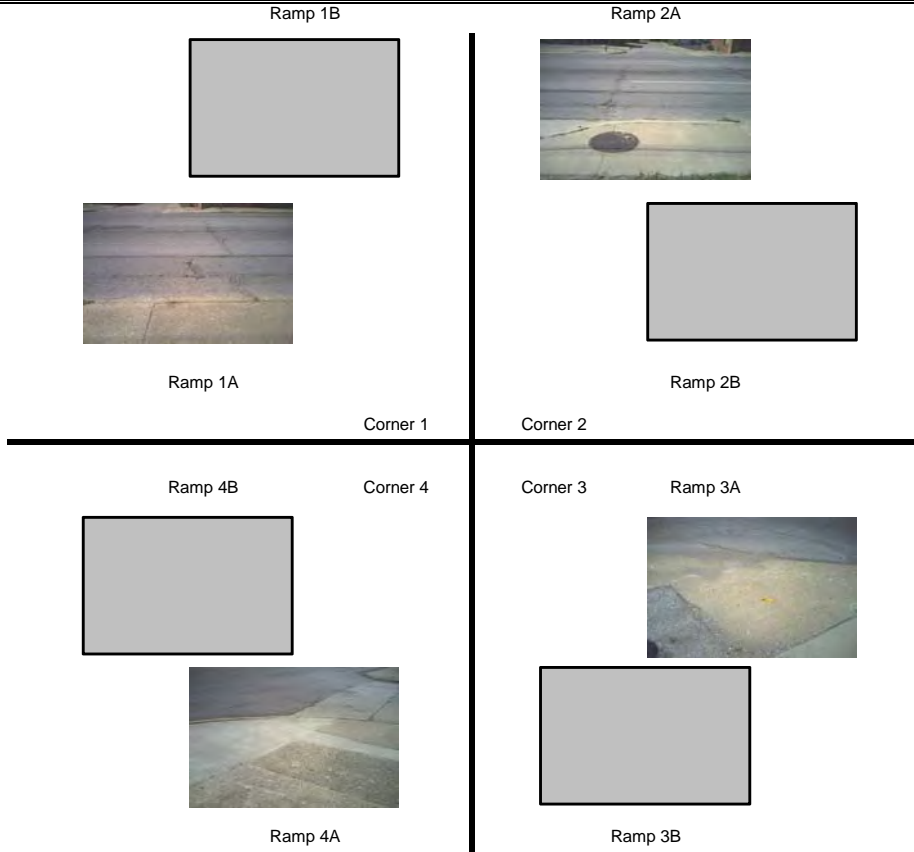
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed						X			Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral PI and N Allegheny Ave

GPS ID: 28023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,623.20
Engineering: (% +/-)	15%	\$ 590.06
Contingency: (% +/-)	20%	\$ 786.74
Estimated Project Cost:	\$	5,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	M	M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Pl and N Darlington Ave

GPS ID: 28024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,700.60
Engineering: (% +/-)	15%	\$ 2,271.17
Contingency: (% +/-)	20%	\$ 3,028.23
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Hudson Ave and E Admiral PI

GPS ID: 28025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

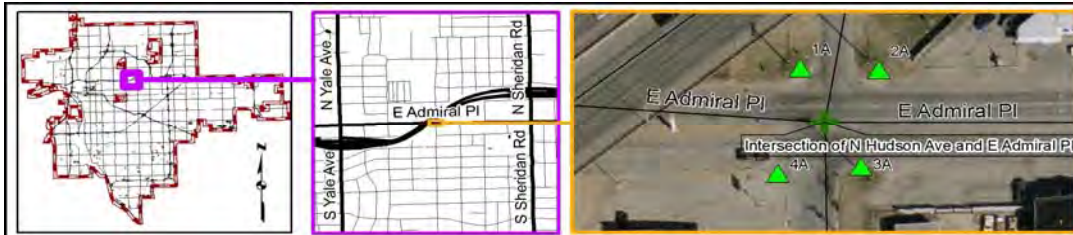
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,252.80
Engineering: (% +/-)	15%	\$ 2,034.51
Contingency: (% +/-)	20%	\$ 2,712.69
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp				X		X			Install colored truncated domes
No color contrast at base of ramp				X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

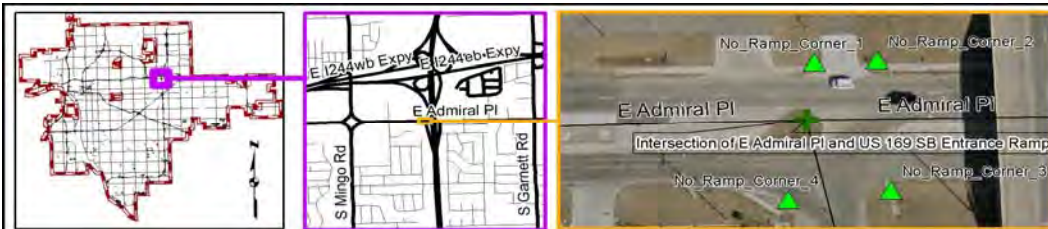
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

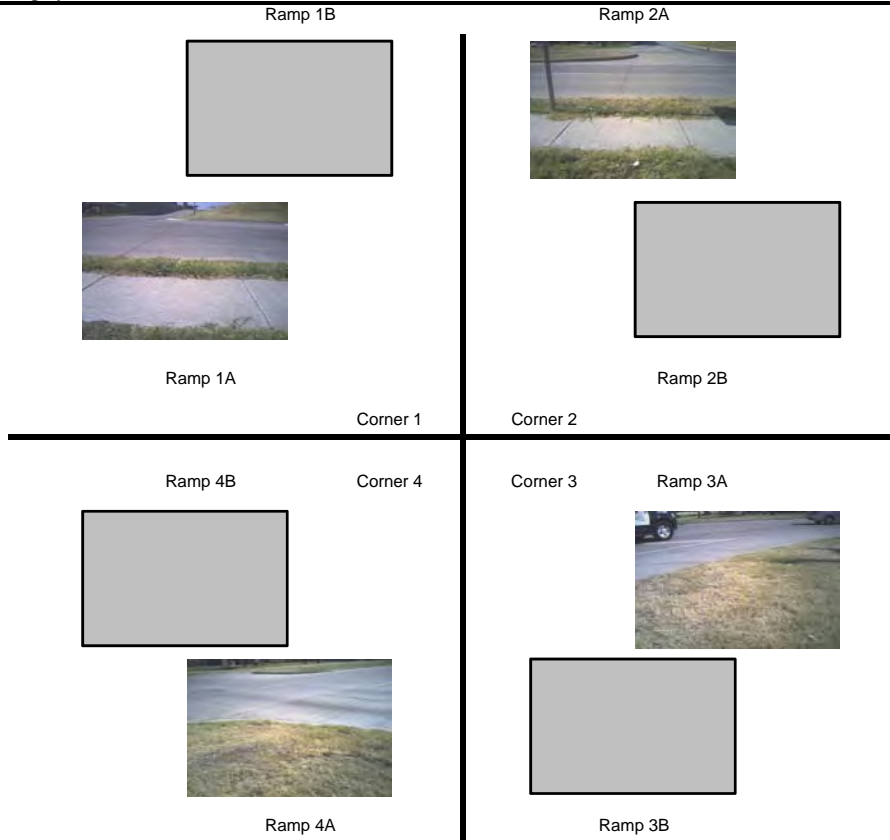
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,838.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,212.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,949.49
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%		X	X		X				
Ramp running slope is greater than 8.33%		X	X		X				
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

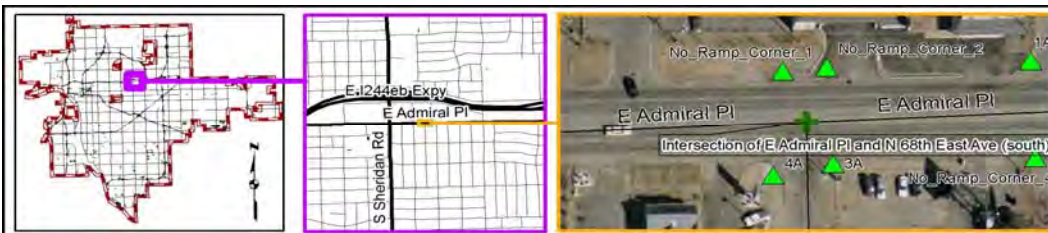
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

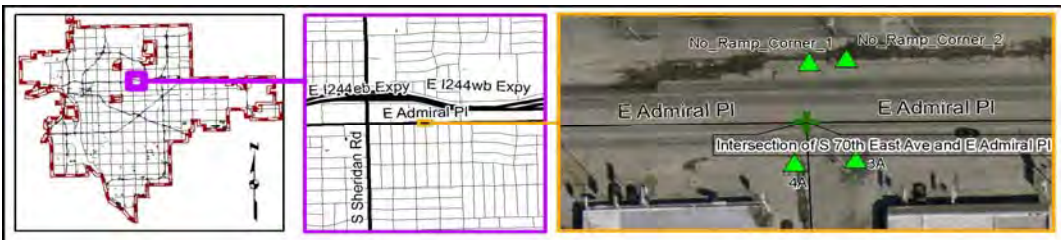
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp					X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,323.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,147.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,529.60
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	L				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,386.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,120.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,493.49
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDestal POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,924.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,889.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,186.17
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X	X	X	X	
Ramp running slope is greater than 8.33%					X		X	X	
Ramp cross slope is greater than 2%	X				X		X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X		X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp			X				X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	80.56	SY	\$ 80.00	\$ 6,444.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	200	LF	\$ 6.50	\$ 1,300.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,531.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,058.06
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,410.74
	Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	-	
Crosswalk cross slope is greater than 2%	X	N/A	-	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	N/A	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3C	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X			X	X	X	
Ramp running slope is greater than 8.33%	X	X				X	X	X	
Ramp cross slope is greater than 2%	X	X	X			X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X	X	X			X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X			X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X			X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H		H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3C

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design					
<input type="checkbox"/> Preliminary Design					
<input type="checkbox"/> Final Design					
				Subtotal:	\$ 13,126.40
				Engineering: (% +/-)	15% \$ 2,088.69
				Contingency: (% +/-)	20% \$ 2,784.91
				Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%						X	X		
Ramp width is less than 36"							X		Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp						X	X		
No color contrast at base of ramp						X	X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X	X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,057.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,260.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,681.26
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 25,992.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,288.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,718.40
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	Worn	N/A	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,904.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,041.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,054.86
	Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install landing area
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

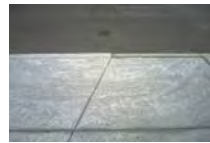
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,424.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,675.43
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,900.57
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp					X		X		Install landing area
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"						X			
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	13,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,088.69
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,784.91
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

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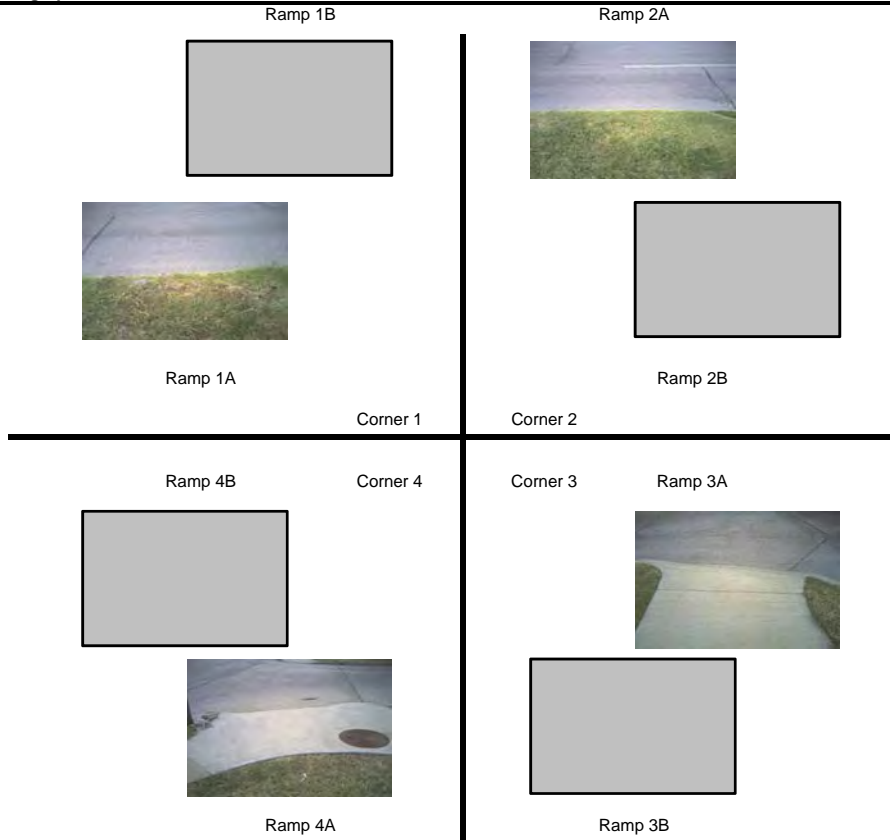
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp					X		X		
No color contrast at base of ramp									Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	13,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 2,116.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 2,822.06
	Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X	X			Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X	X			
No textured surface at base of ramp					X	X			Install landing area
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X	X			
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

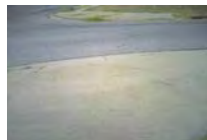
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 2,502.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 642.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 856.00
	Estimated Project Cost:	\$ 4,000.00

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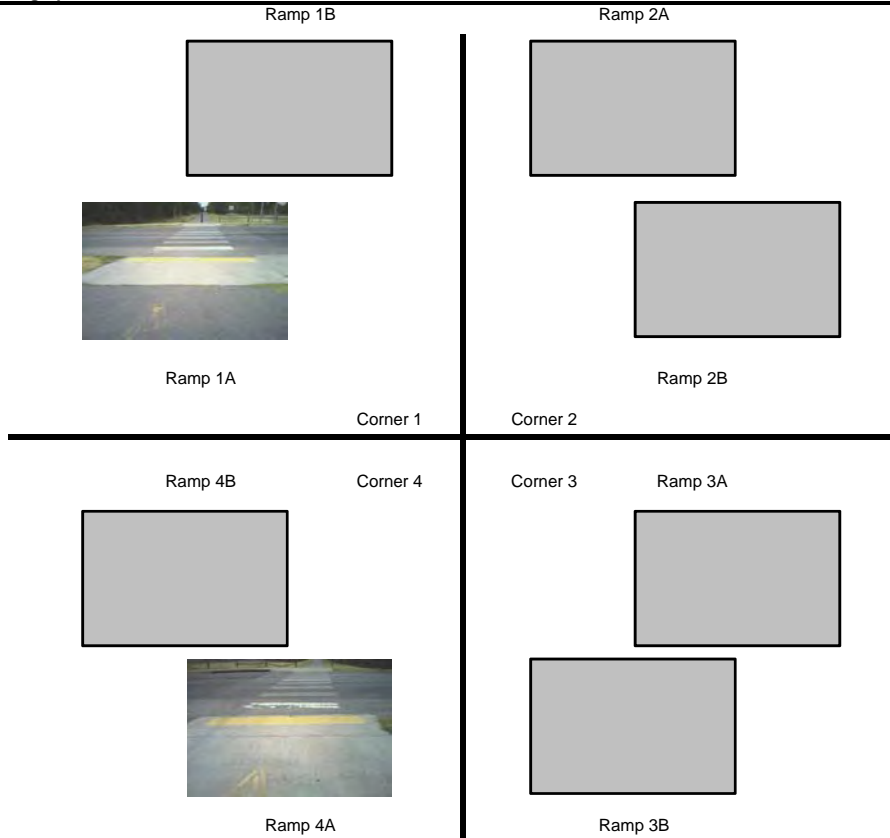
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 13,061.40
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 2,822.06
		Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X		X		
No textured surface at base of ramp					X		X		Install landing area
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,851.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,469.03
	Estimated Project Cost:	\$ 14,000.00

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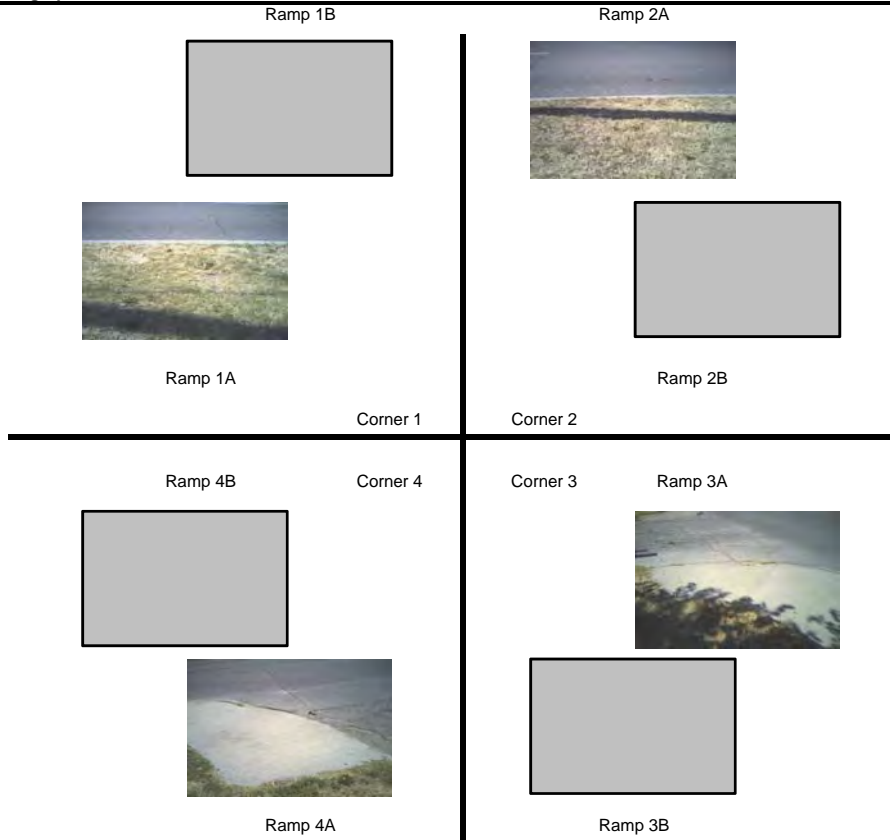
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Norfolk Ave and E Apache St

GPS ID: 29014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,229.00
Engineering: (% +/-)	15%	\$ 2,473.29
Contingency: (% +/-)	20%	\$ 3,297.71
Estimated Project Cost:	\$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Owasso Ave

GPS ID: 29015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

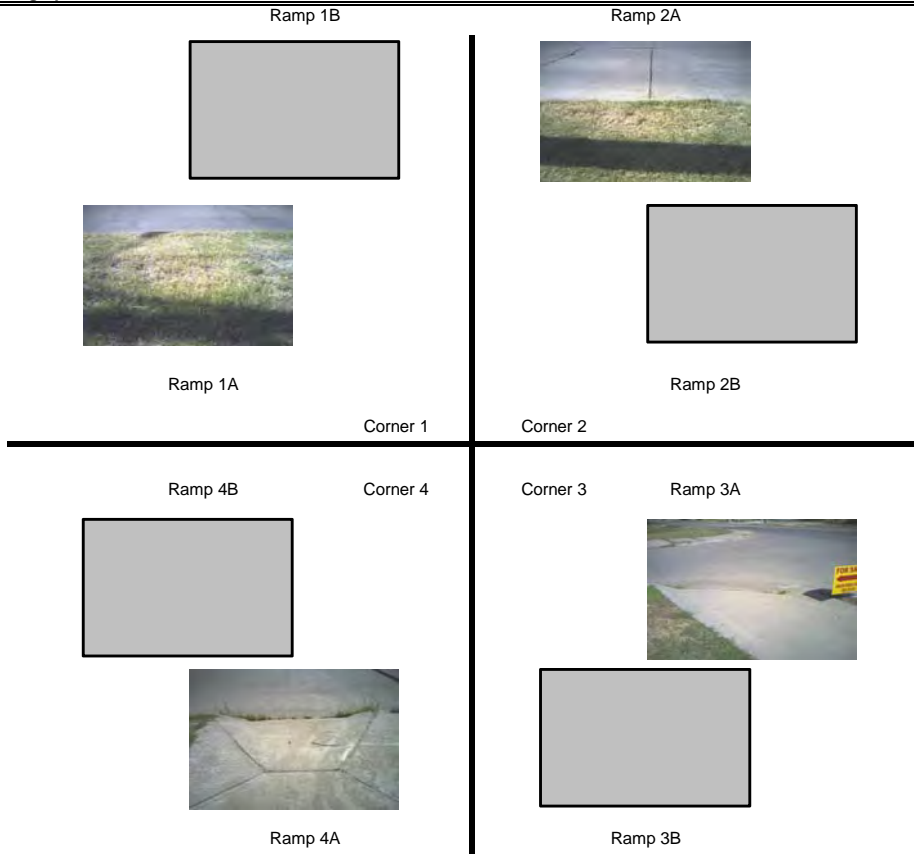
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Quaker Ave and E Apache St
 GPS ID: 29016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	25,469.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 4,084.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 5,446.06
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X			X	X		Remove and replace ramp
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%	X					X			
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X		X			X			
No textured surface at base of ramp	X		X			X	X		
No color contrast at base of ramp	X		X			X	X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X			X	X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X			X			
Ramp not needed due to existing geometry					X	X			Remove ramp
Ramp Priority:	H		H		H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Quincy Ave and E Apache St

GPS ID: 29017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,448.40
Engineering: (% +/-)	15%	\$ 2,807.83
Contingency: (% +/-)	20%	\$ 3,743.77
Estimated Project Cost:	\$	25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Rockford Ave and E Apache St

GPS ID: 29018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,055.00
Engineering: (% +/-)	15%	\$ 3,833.57
Contingency: (% +/-)	20%	\$ 5,111.43
Estimated Project Cost:	\$	32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk	X								
Ramp does not exist and is needed			X			X	X		Remove and replace ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%			X			X	X		Install colored truncated domes
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp			X			X	X		
No color contrast at base of ramp			X			X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X			X	X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Remove ramp
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X						Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp			X						Remove ramp
Ramp not needed due to existing geometry					X		X		
Ramp Priority:	H		H		H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N St Louis Ave and E Apache St

GPS ID: 29019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,076.00
Engineering: (% +/-)	15%	\$ 3,824.57
Contingency: (% +/-)	20%	\$ 5,099.43
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk									Remove and replace ramp	
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%		X	X			X	X			
Ramp running slope is greater than 8.33%		X	X			X	X			
Ramp cross slope is greater than 2%			X			X	X			
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp		X	X			X	X			Install colored truncated domes
No color contrast at base of ramp		X	X			X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X			X	X		Install landing area	
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"										
Ponding occurs at base of ramp										
Ramp not needed due to existing geometry	X			X	X			X	Remove ramp	
Ramp Priority:	H	H	H	H	H	H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Utica Ave and E Apache St

GPS ID: 29020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X		X						
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Wheeling Ave

GPS ID: 29021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,537.80
Engineering: (% +/-)	15%	\$ 3,198.09
Contingency: (% +/-)	20%	\$ 4,264.11
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X					
Ramp running slope is greater than 8.33%	X		X	X	X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp	X		X	X	X				Install colored truncated domes
No color contrast at base of ramp	X		X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Xanthus Ave and E Apache St

GPS ID: 29023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X		X			Install colored truncated domes
No color contrast at base of ramp				X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Xanthus Pl and E Apache St

GPS ID: 29024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

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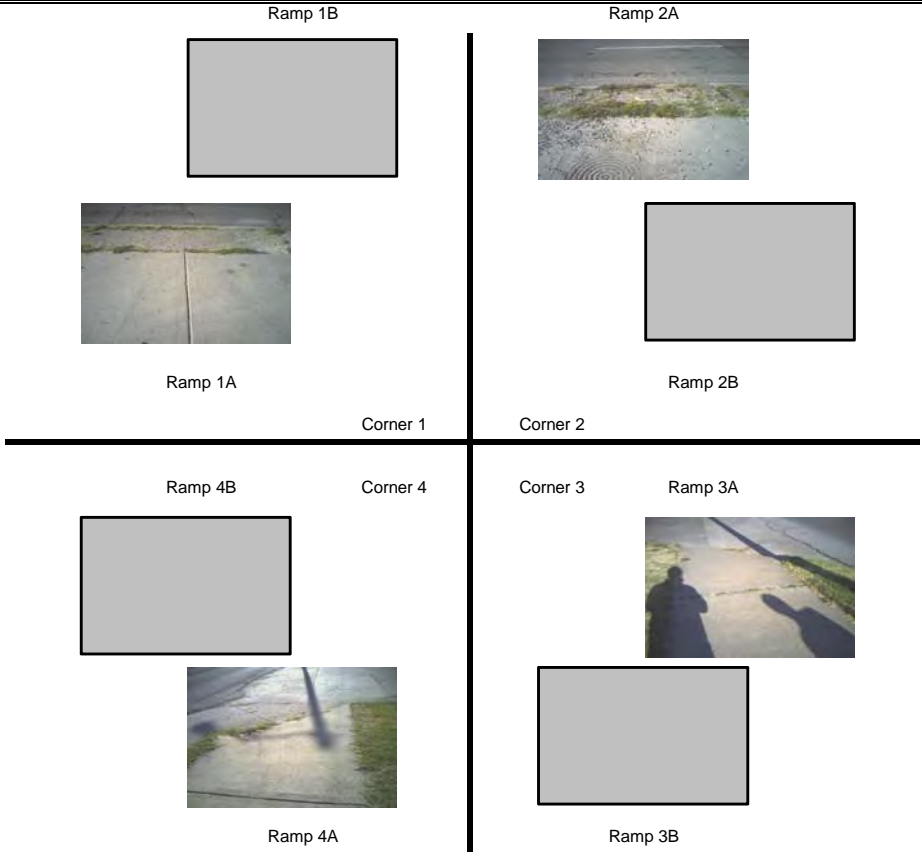
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:					H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Yorktown Ave

GPS ID: 29025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

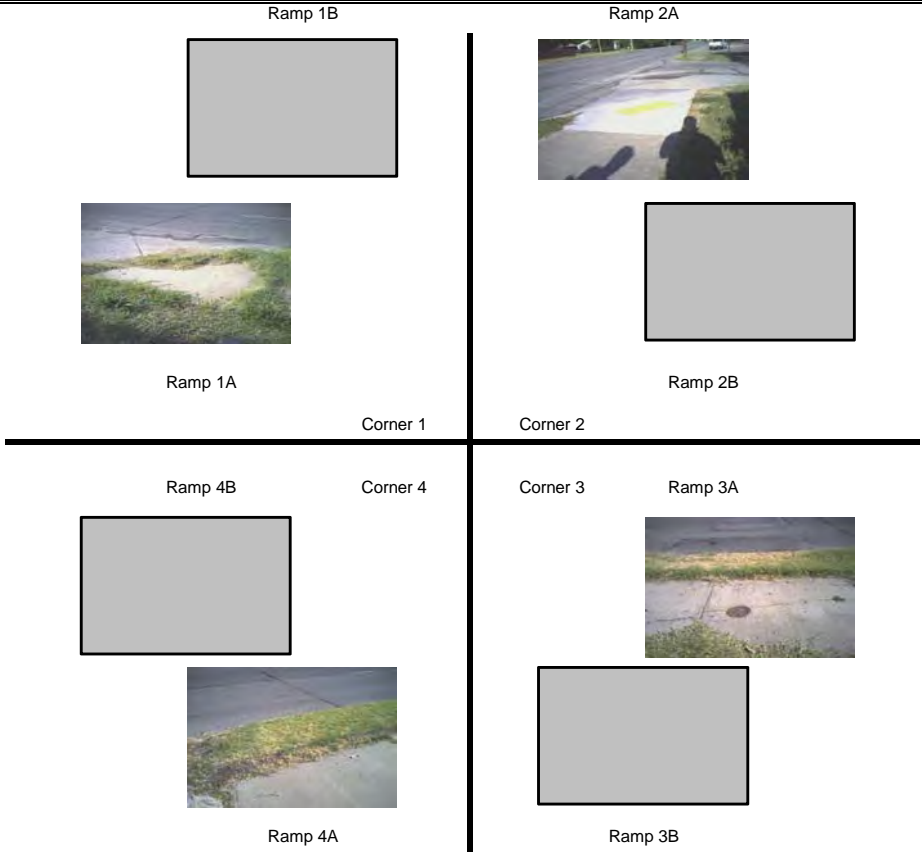
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Yorktown Pl

GPS ID: 29026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

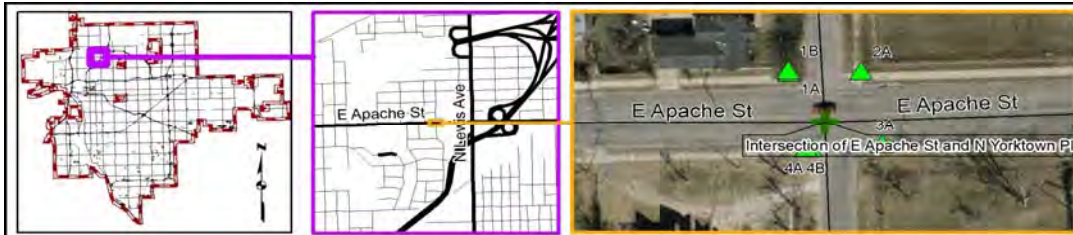
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,469.40
Engineering: (% +/-)	15%	\$ 4,084.54
Contingency: (% +/-)	20%	\$ 5,446.06
Estimated Project Cost:	\$	36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X		X	X		X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X		X	X		X		
No color contrast at base of ramp	X	X		X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X		X	X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp	X	X		X	X		X		
Ramp not needed due to existing geometry	X							X	
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and US 75 SB Ramp

GPS ID: 29027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

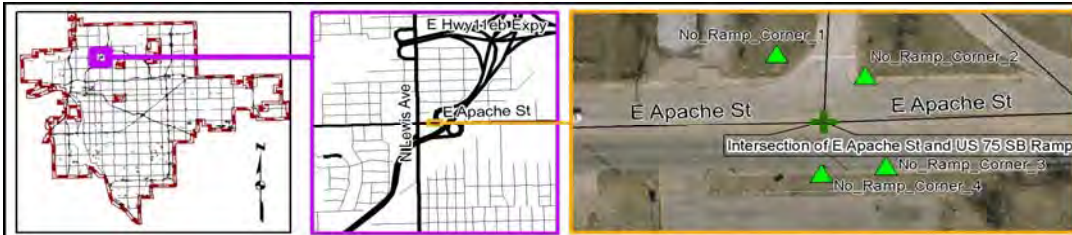
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and US 75 NB Ramp

GPS ID: 29028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

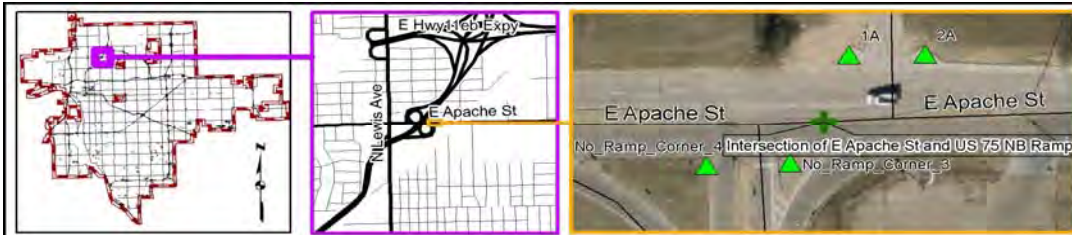
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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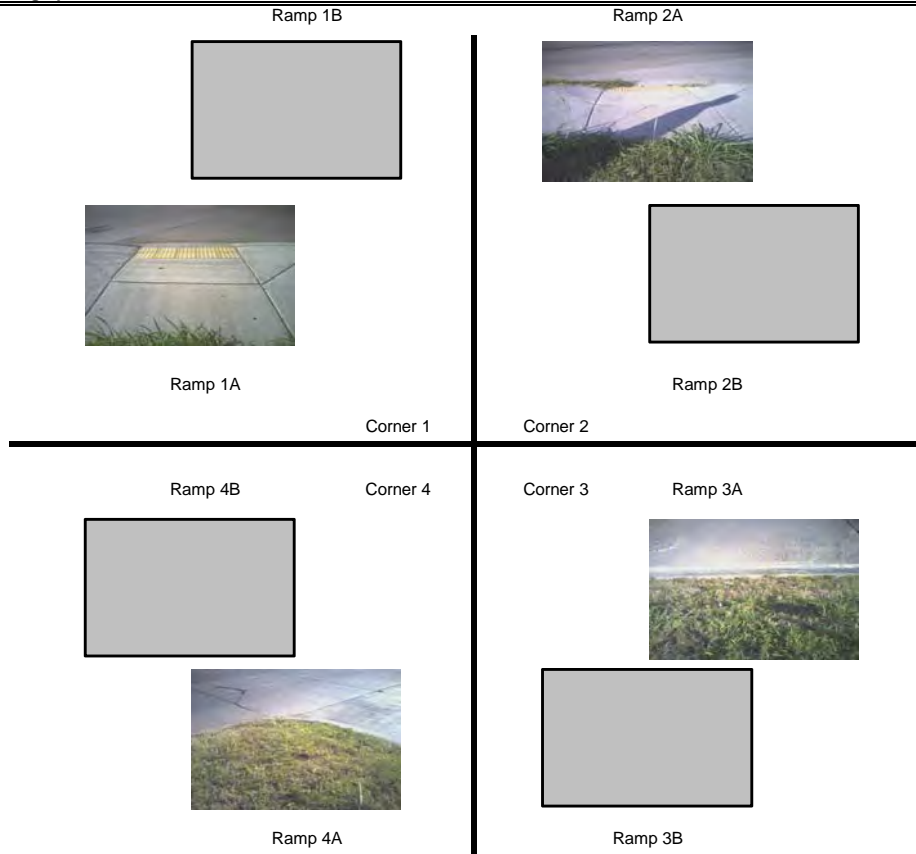
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Evanston Ave and E Apache St

GPS ID: 29032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

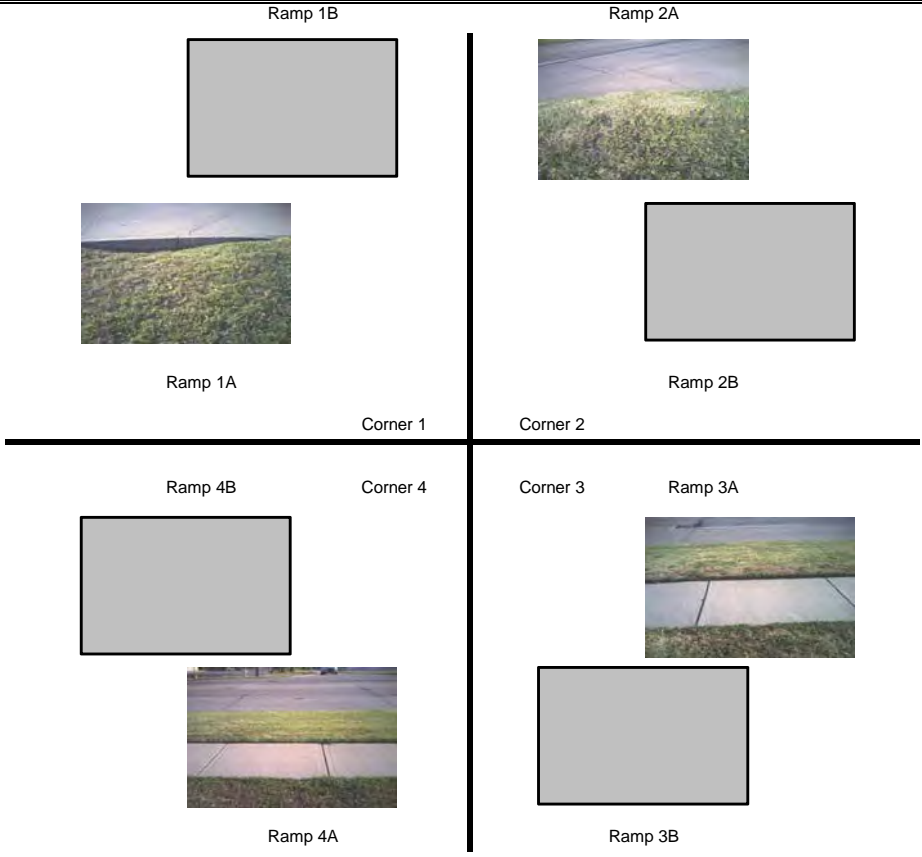
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Florence Ave

GPS ID: 29033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,600.90
Engineering: (% +/-)	15%	\$ 1,885.33
Contingency: (% +/-)	20%	\$ 2,513.77
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

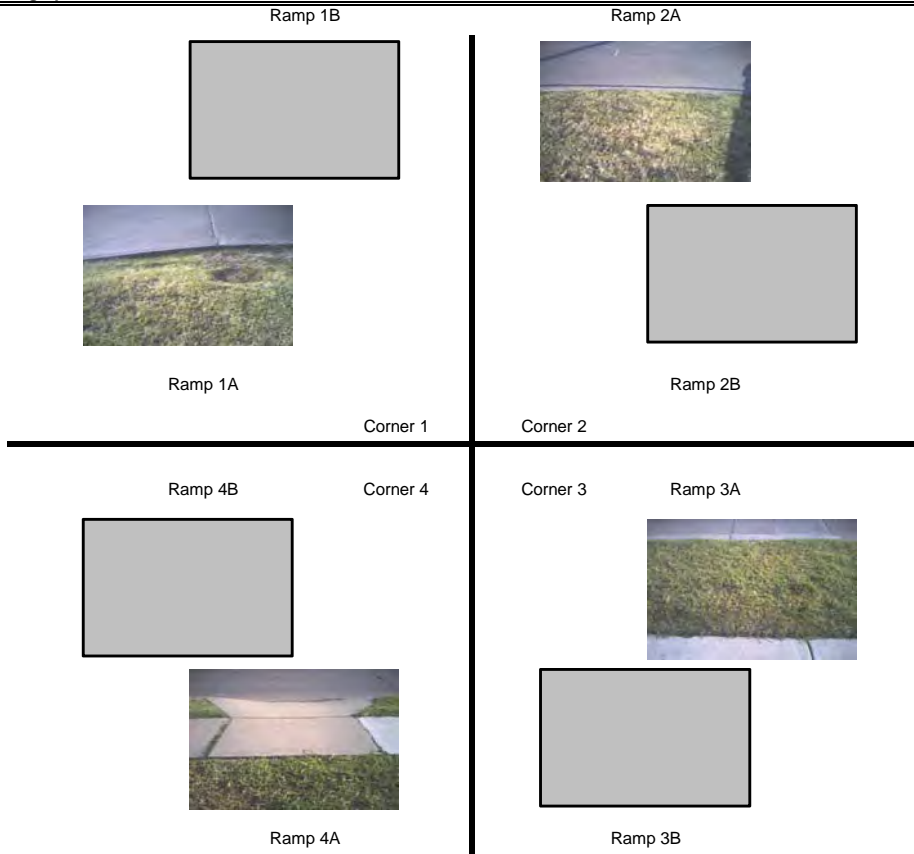
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry							X		Remove ramp
Ramp Priority:	H		H				H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Urbana Ave
 GPS ID: 29033A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

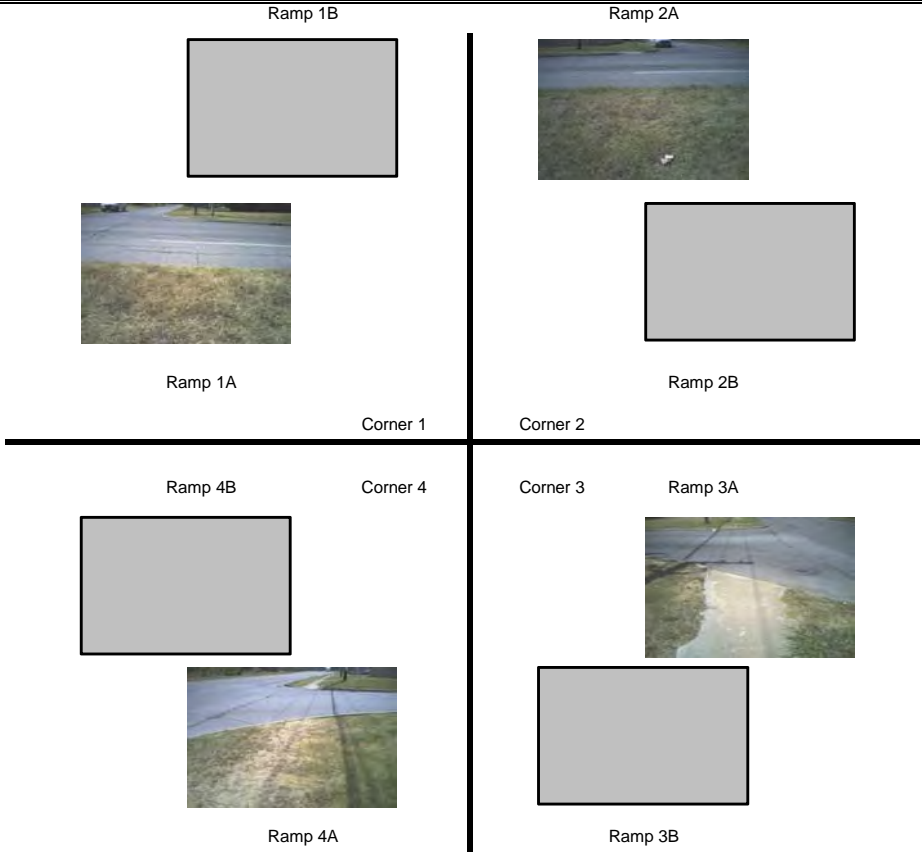
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and Gilcrease Expy EB Exit Ramp

GPS ID: 29034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,318.40
Engineering: (% +/-)	15%	\$ 2,434.97
Contingency: (% +/-)	20%	\$ 3,246.63
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%	X	X	X						
Ramp running slope is greater than 8.33%	X	X	X						
Ramp cross slope is greater than 2%		X	X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X	X							
No textured surface at base of ramp	X	X	X						Install colored truncated domes
No color contrast at base of ramp	X	X	X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X						Regrade roadway
Ponding occurs at base of ramp	X	X	X						
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Kingston Ave and E Apache St

GPS ID: 29034A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Norwood Ave

GPS ID: 29035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

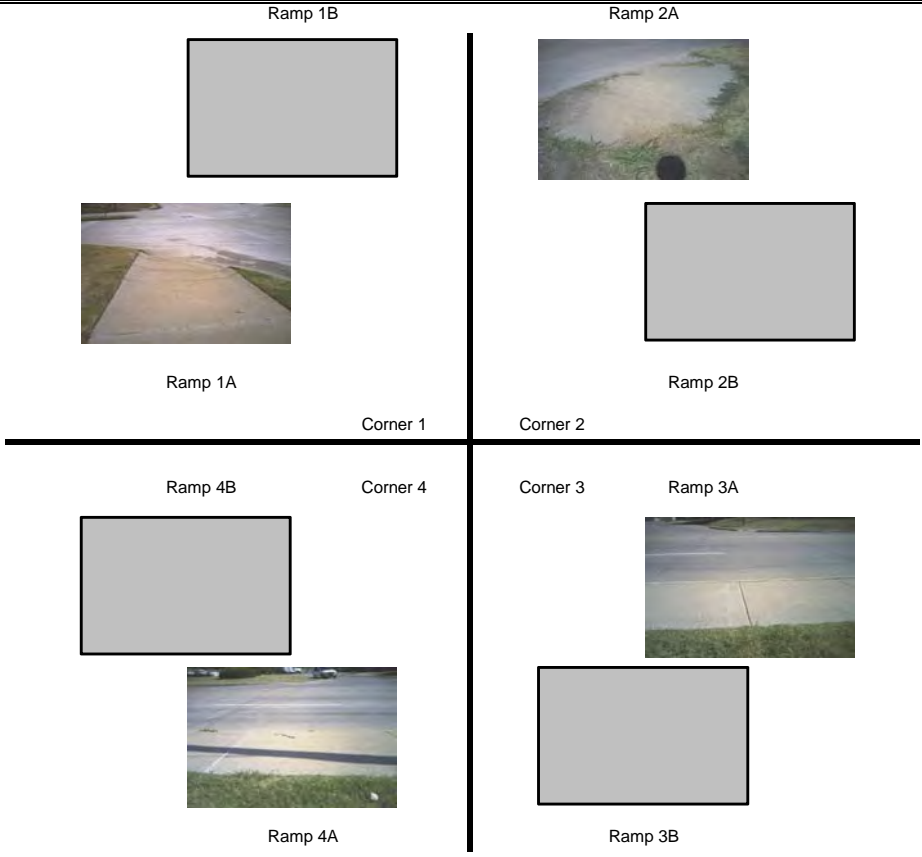
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

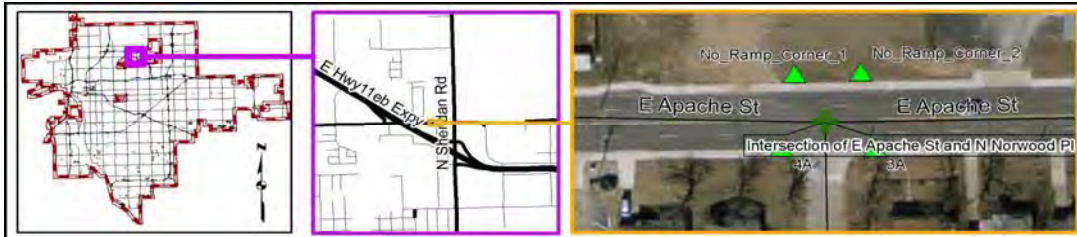
Project Name: Intersection of E Apache St and N Norwood PI GPS ID: 29036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	12,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,172.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,896.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N Oxford Ave

GPS ID: 29037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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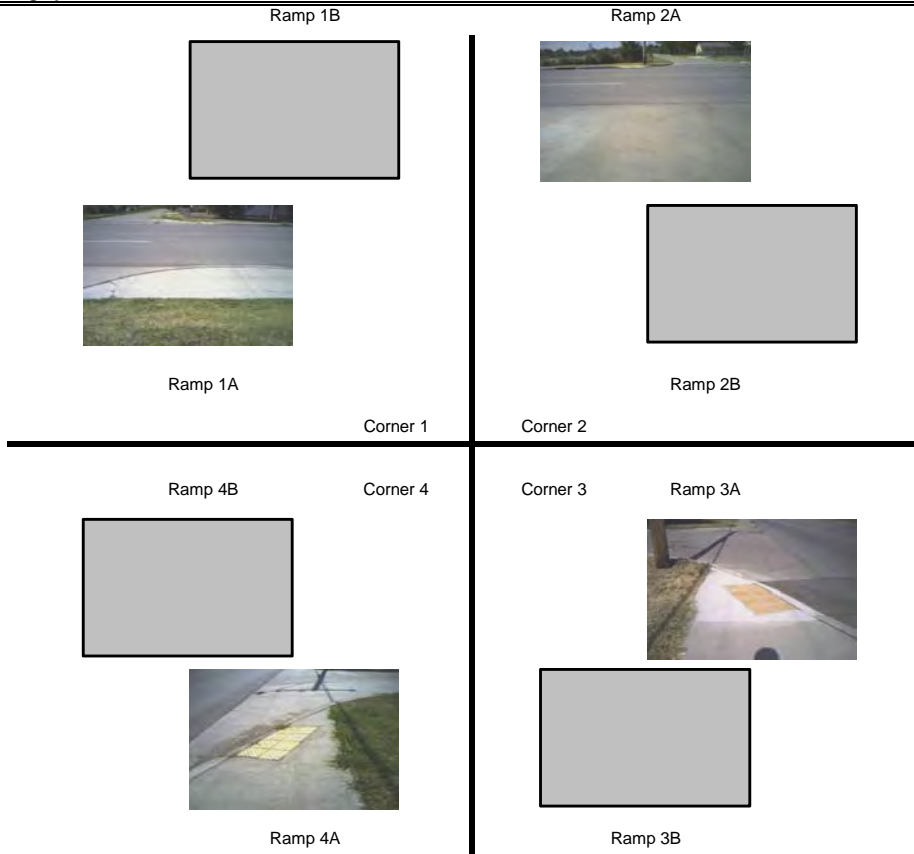
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Apache St and N New Haven Ave

GPS ID: 29038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X								Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Install handicap ramp
Flare cross slope is greater than 10%	X								Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"	X								
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 63rd West Ave

GPS ID: 30001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

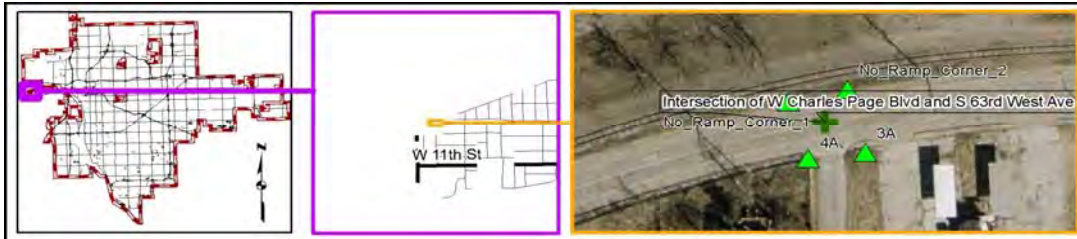
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

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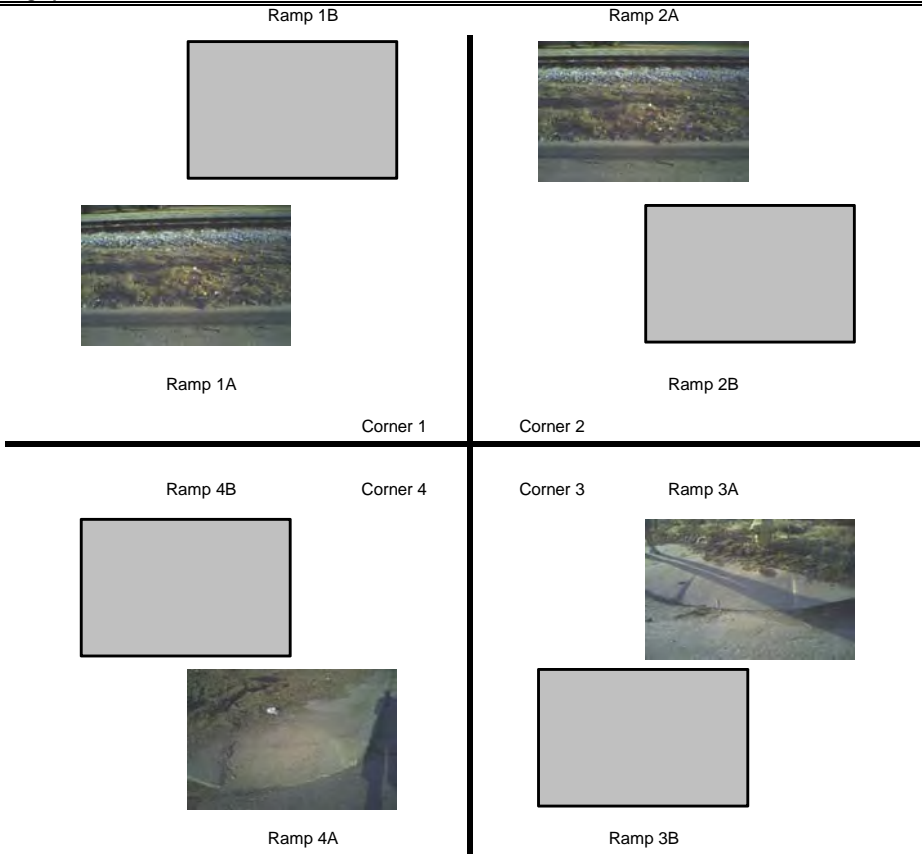
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 61st West Ave and W Charles Page Blvd

GPS ID: 30002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,424.00
Engineering: (% +/-)	15%	\$ 3,675.43
Contingency: (% +/-)	20%	\$ 4,900.57
Estimated Project Cost:	\$	32,000.00

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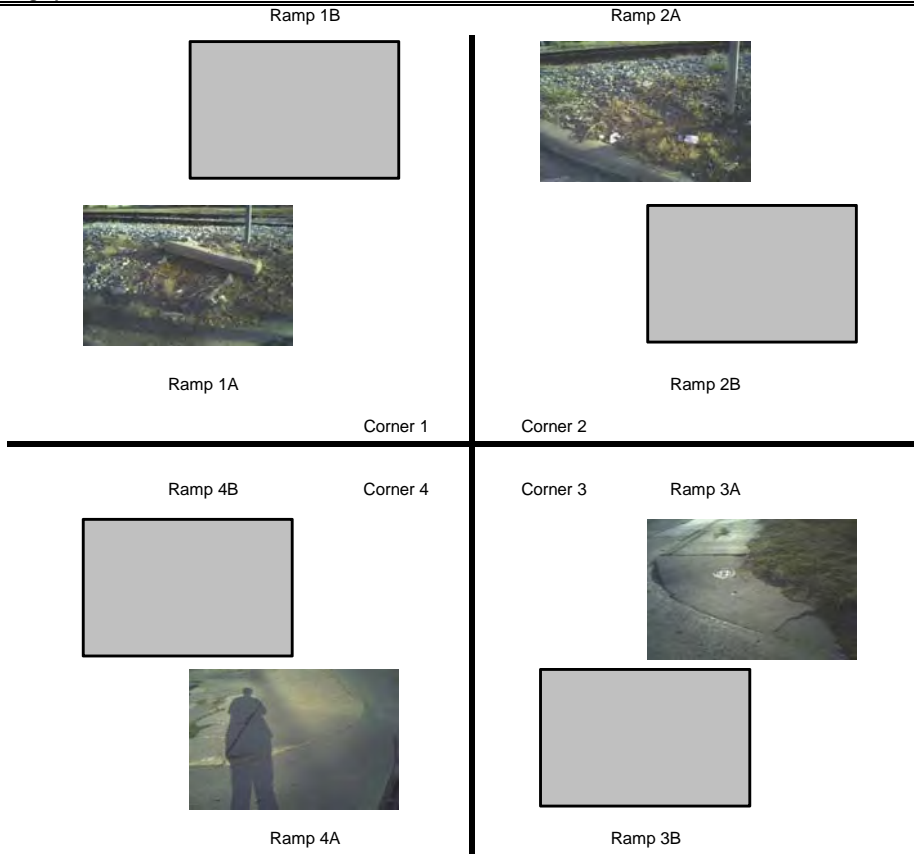
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk	X		X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X	X			
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 59th West Ave

GPS ID: 30003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

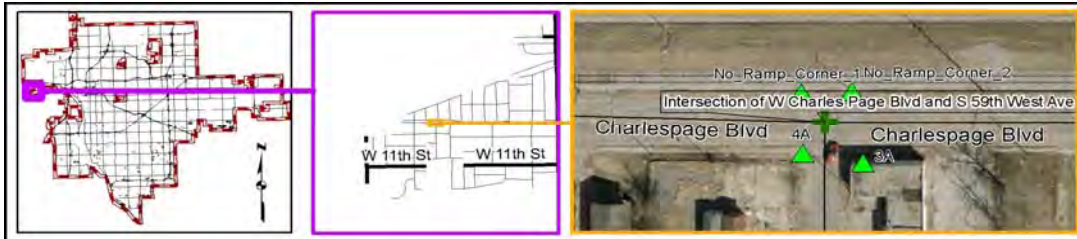
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

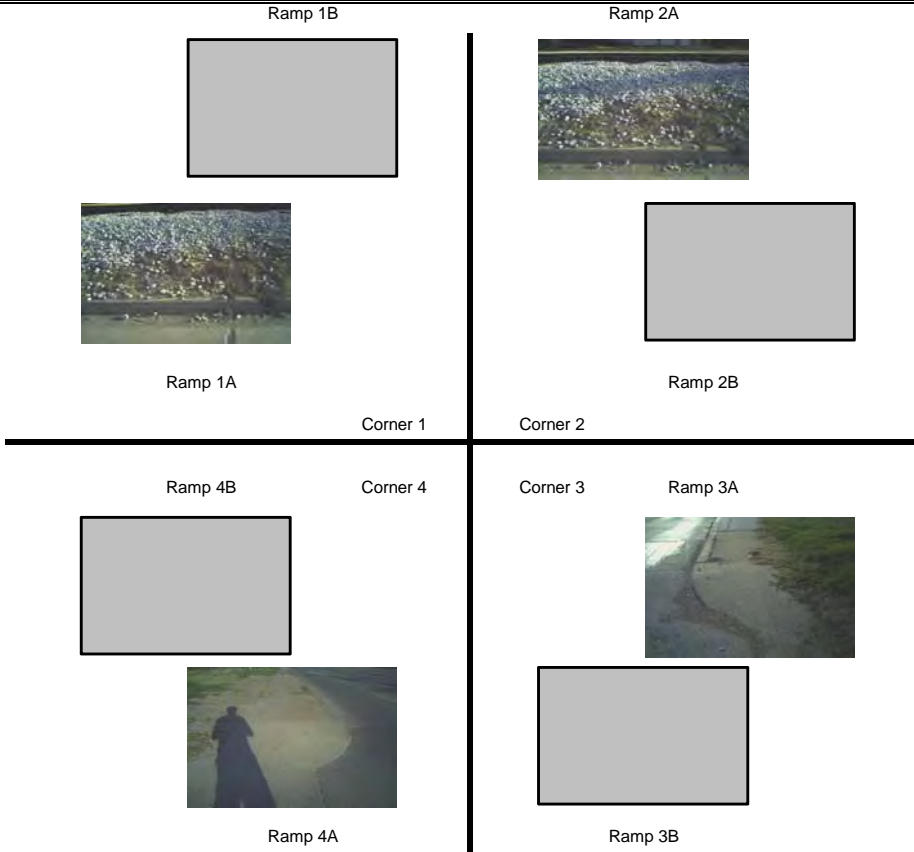
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 58th West Ave and W Charles Page Blvd

GPS ID: 30004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	52	LF	\$ 6.50	\$ 338.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,944.40
Engineering: (% +/-)	15%	\$ 1,309.54
Contingency: (% +/-)	20%	\$ 1,746.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"					X	X			
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection S 57th West Ave and W Charles Page Blvd

GPS ID: 30005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

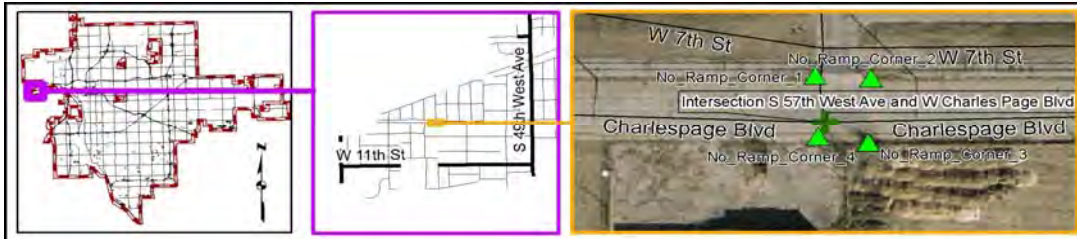
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

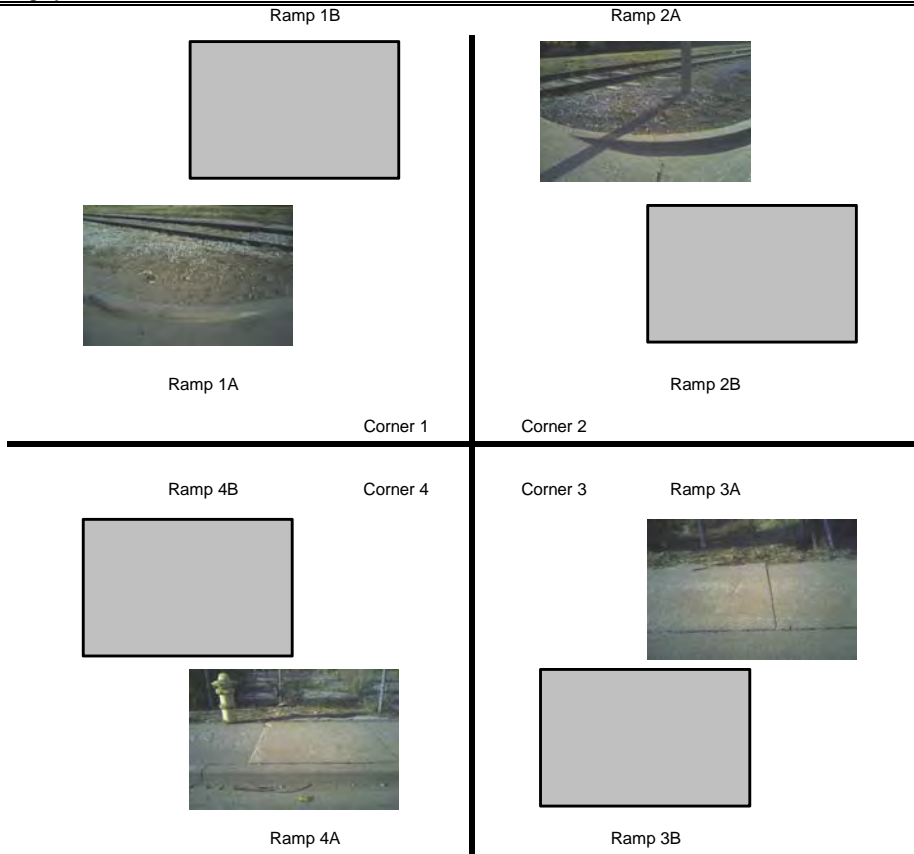
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 54th West Ave

GPS ID: 30006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

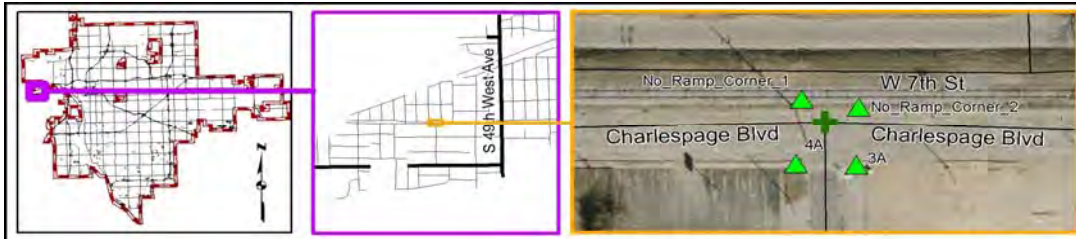
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	M	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 53rd West Ave and W Charles Page Blvd

GPS ID: 30007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	500.00	\$ -
11	PEDESTAL POLE	0	EA	1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

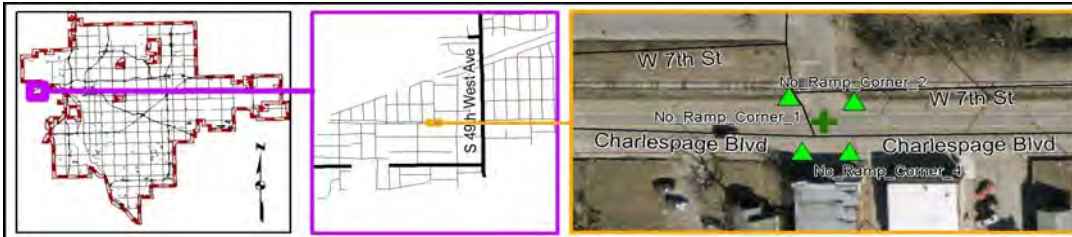
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

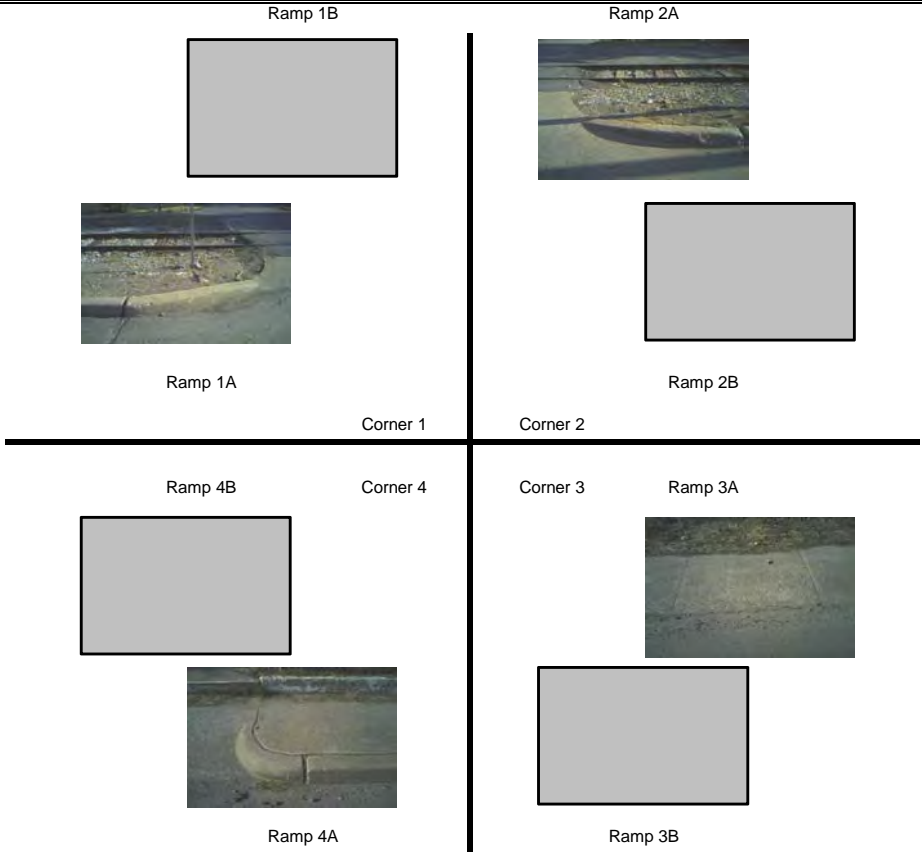
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 51st West Ave and W Charles Page Blvd

GPS ID: 30008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,359.00
Engineering: (% +/-)	15%	\$ 3,274.71
Contingency: (% +/-)	20%	\$ 4,366.29
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection S 45th West Ave and W Charles Page Blvd

GPS ID: 30009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,424.00
Engineering: (% +/-)	15%	\$ 3,246.86
Contingency: (% +/-)	20%	\$ 4,329.14
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

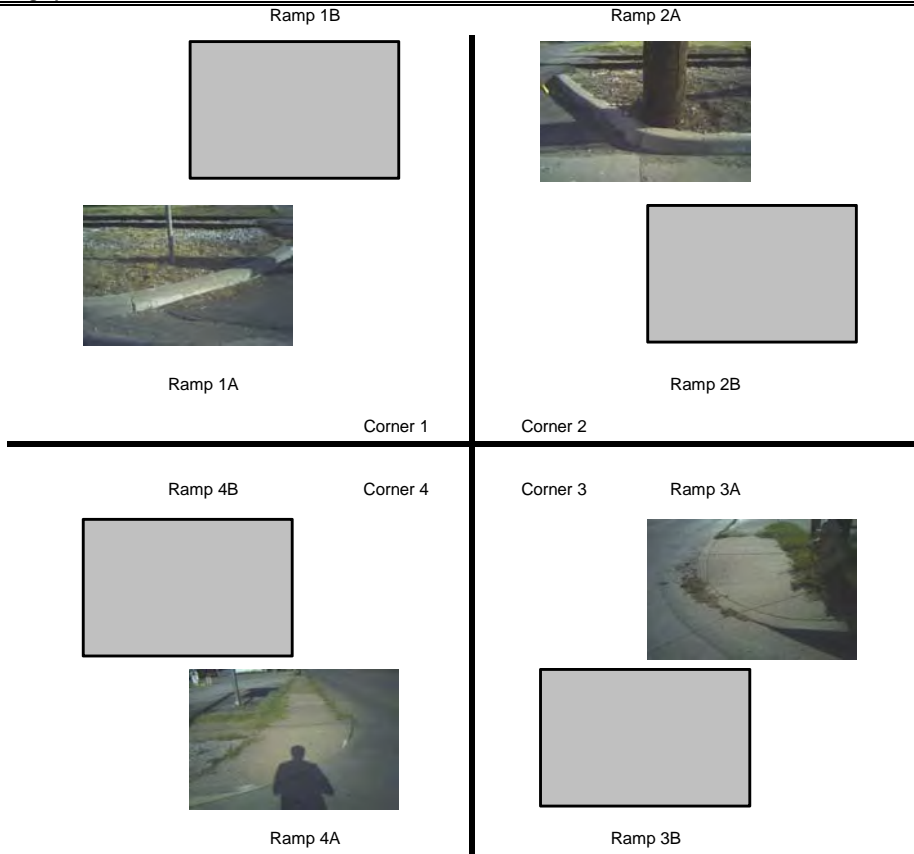
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Remove and replace ramp
Flare cross slope is greater than 10%					X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"					X	X			
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 43rd West Ave and W Charles Page Blvd

GPS ID: 30010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,424.00
Engineering: (% +/-)	15%	\$ 2,818.29
Contingency: (% +/-)	20%	\$ 3,757.71
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

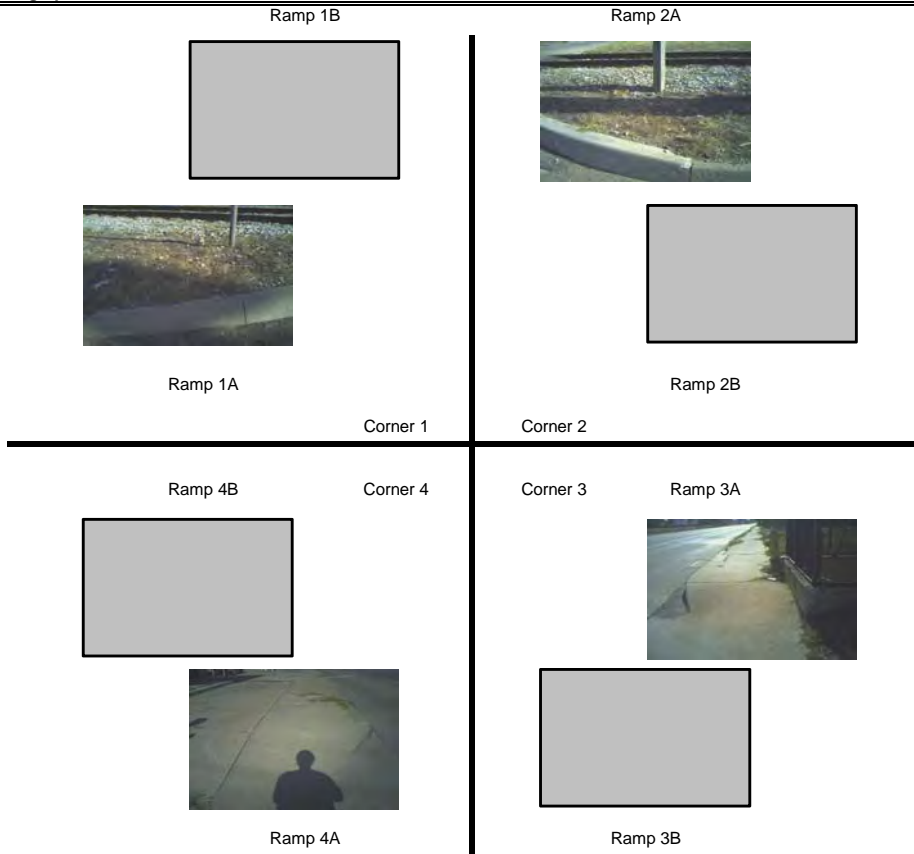
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 41st West Ave and W Charles Page Blvd

GPS ID: 30011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

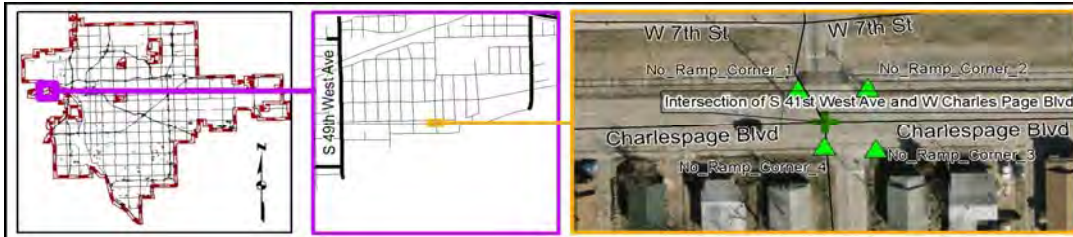
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,995.20
Engineering: (% +/-)	15%	\$ 2,744.91
Contingency: (% +/-)	20%	\$ 3,659.89
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

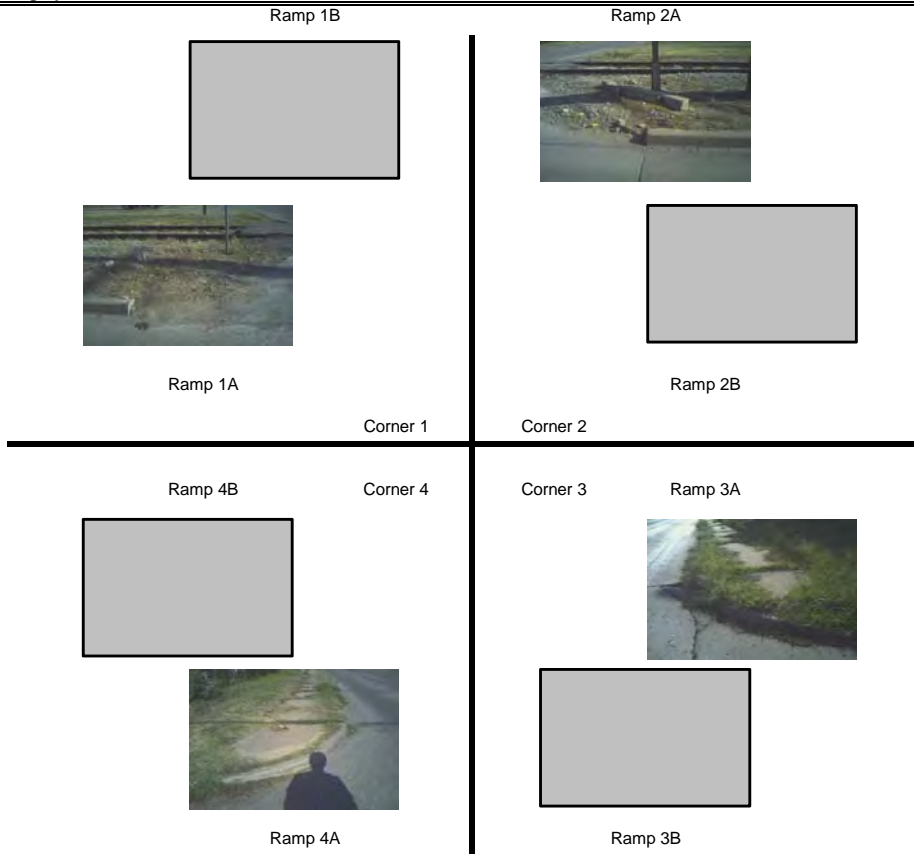
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 40th West Ave

GPS ID: 30012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

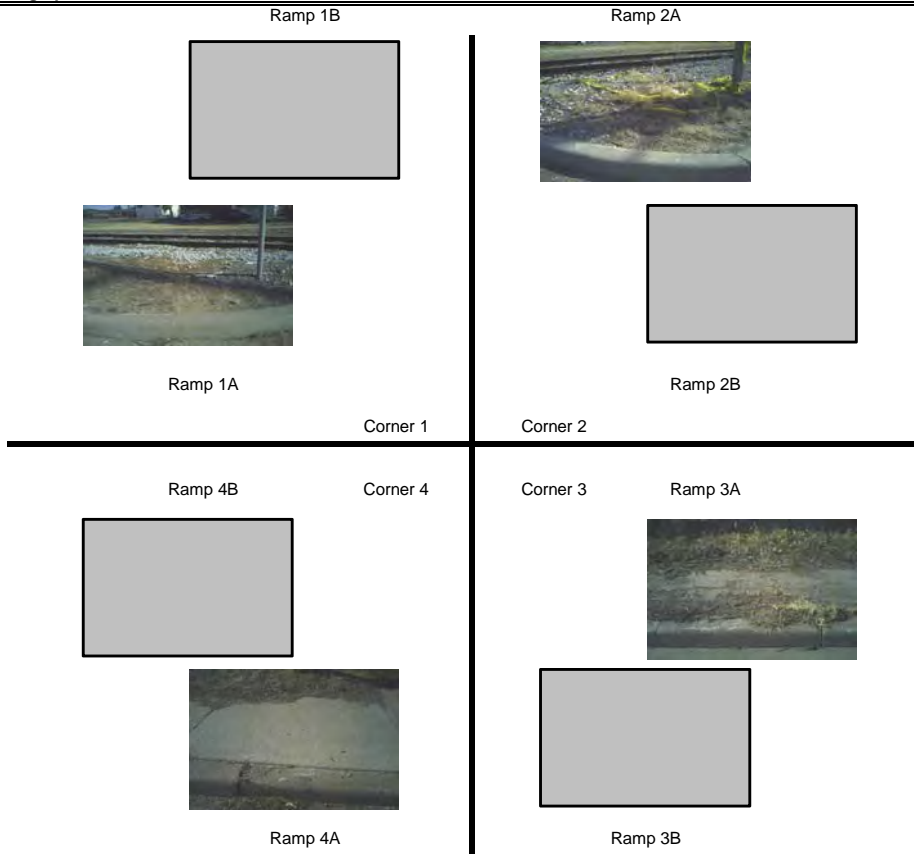
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 39th West Ave (north)

GPS ID: 30013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

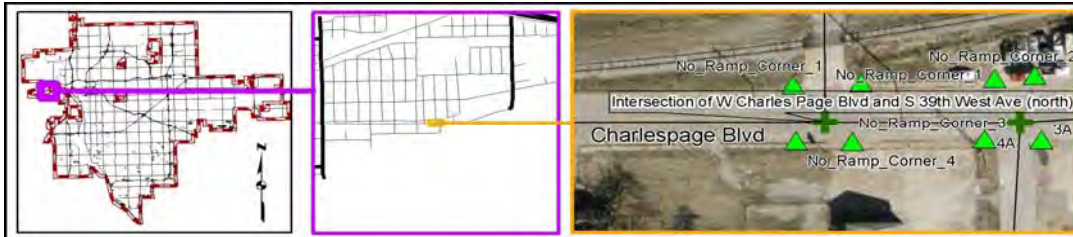
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

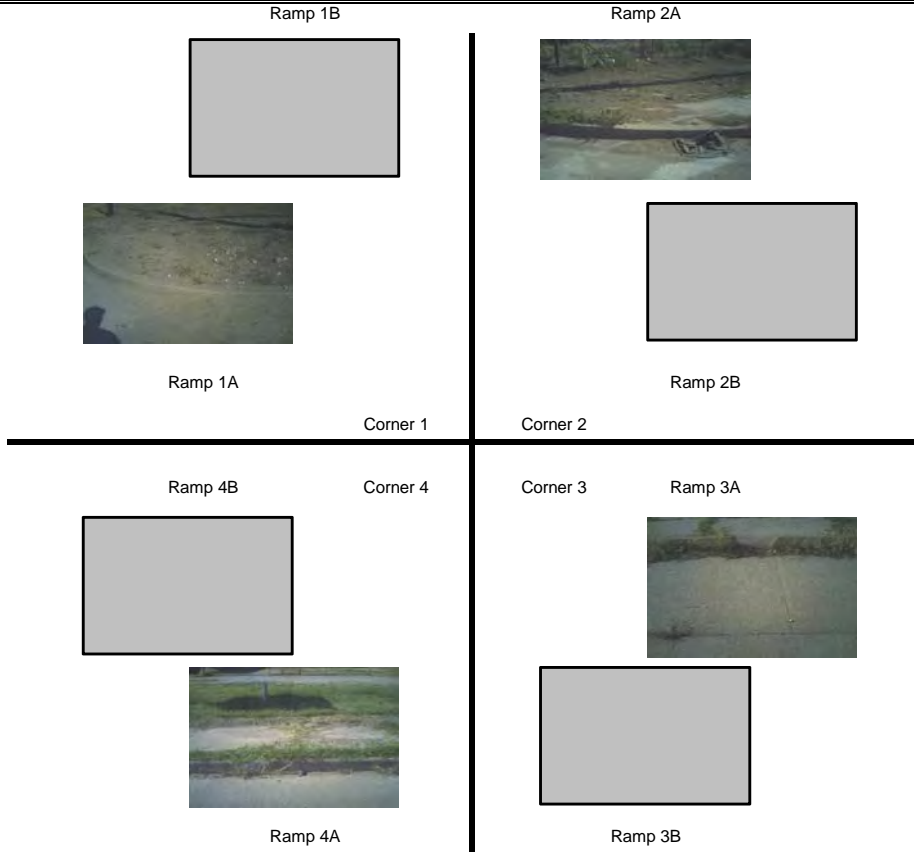
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 39th West Ave (south)

GPS ID: 30014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

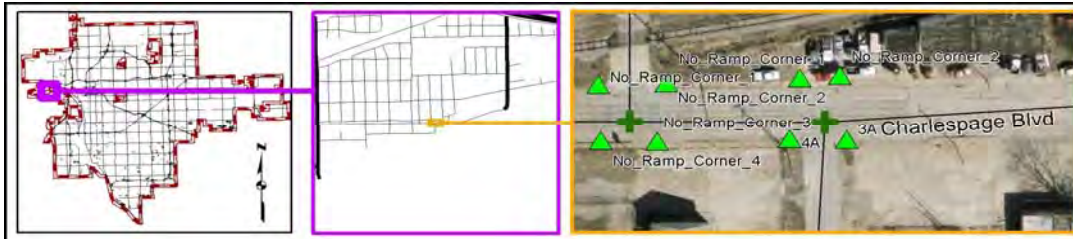
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,874.20
Engineering: (% +/-)	15%	\$ 911.06
Contingency: (% +/-)	20%	\$ 1,214.74
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

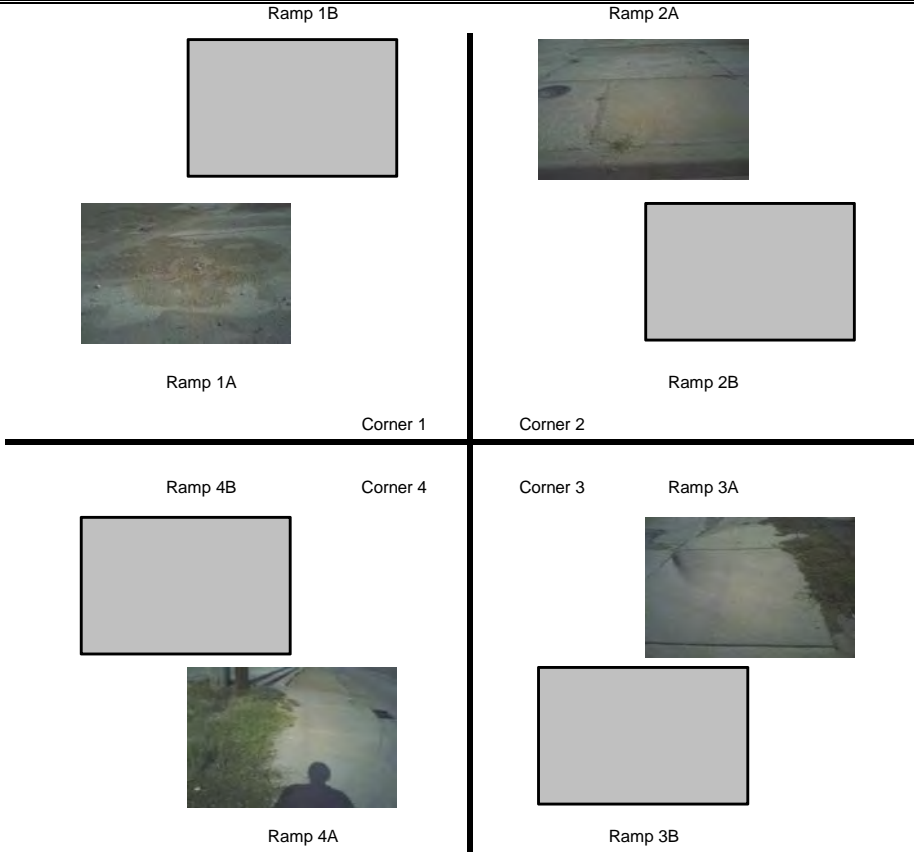
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	M			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 38th West Ave

GPS ID: 30015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
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16:					
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20:					
21:					
22:					

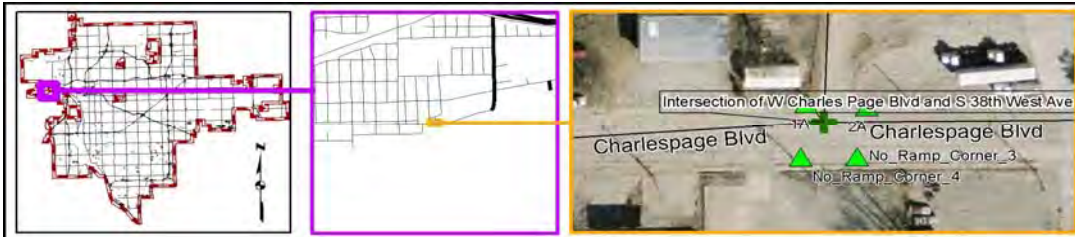
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

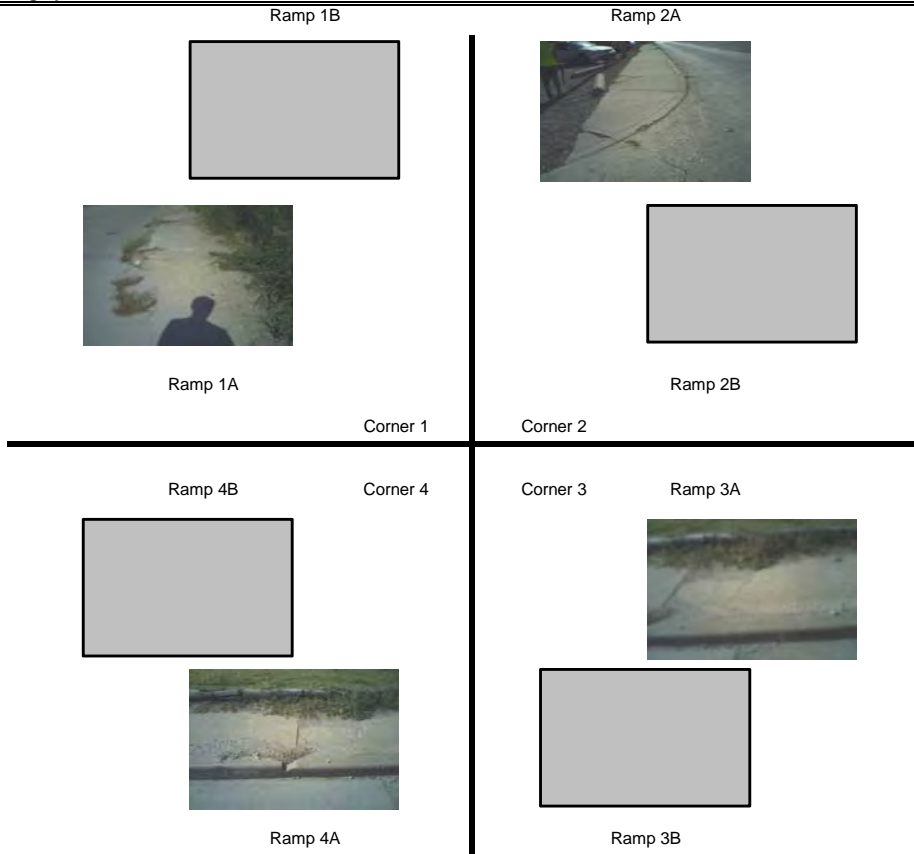
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 31st West Ave

GPS ID: 30016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
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22:					

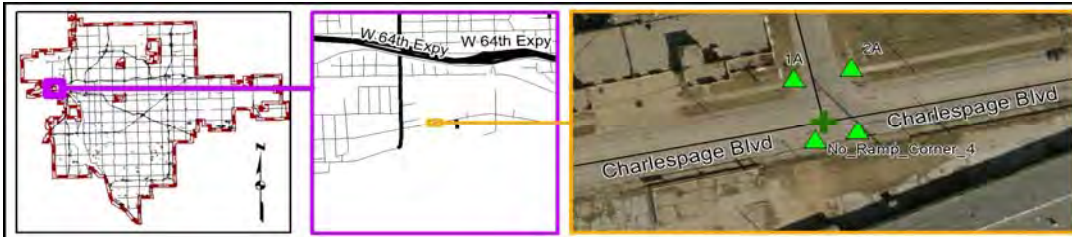
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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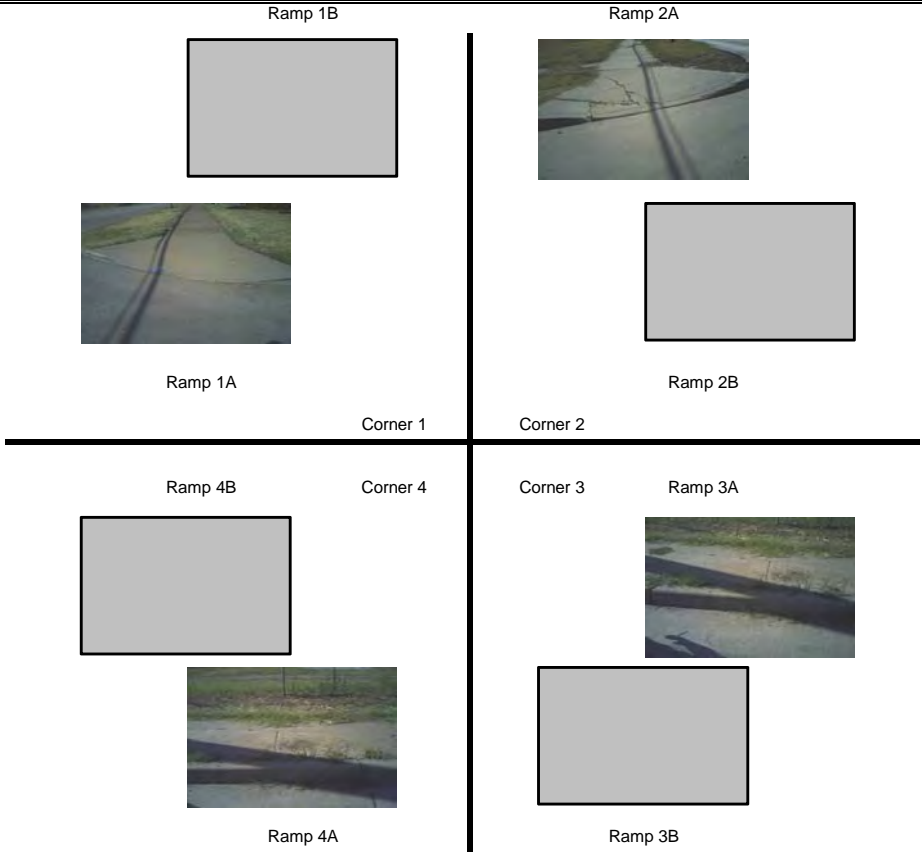
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S 28th West Ave

GPS ID: 30017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S Rosedale Ave

GPS ID: 30018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

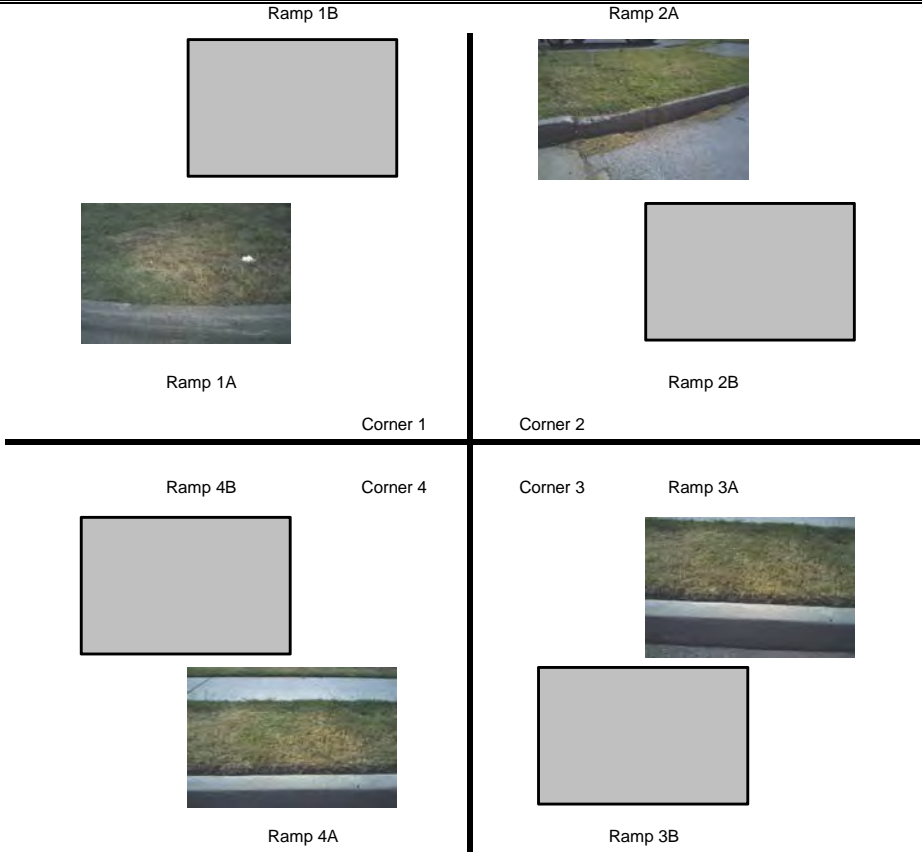
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S Phoenix Ave

GPS ID: 30019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,838.40
Engineering: (% +/-)	15%	\$ 3,497.83
Contingency: (% +/-)	20%	\$ 4,663.77
Estimated Project Cost:	\$	30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S Olympia Ave

GPS ID: 30020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,575.00
Engineering: (% +/-)	15%	\$ 3,610.71
Contingency: (% +/-)	20%	\$ 4,814.29
Estimated Project Cost:	\$	31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry					X			X	Remove ramp
Ramp Priority:	H		H	H	M		M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W Charles Page Blvd and S Nogales Ave

GPS ID: 30021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,552.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,424.00
Engineering: (% +/-)	15%	\$ 3,246.86
Contingency: (% +/-)	20%	\$ 4,329.14
Estimated Project Cost:	\$	29,000.00

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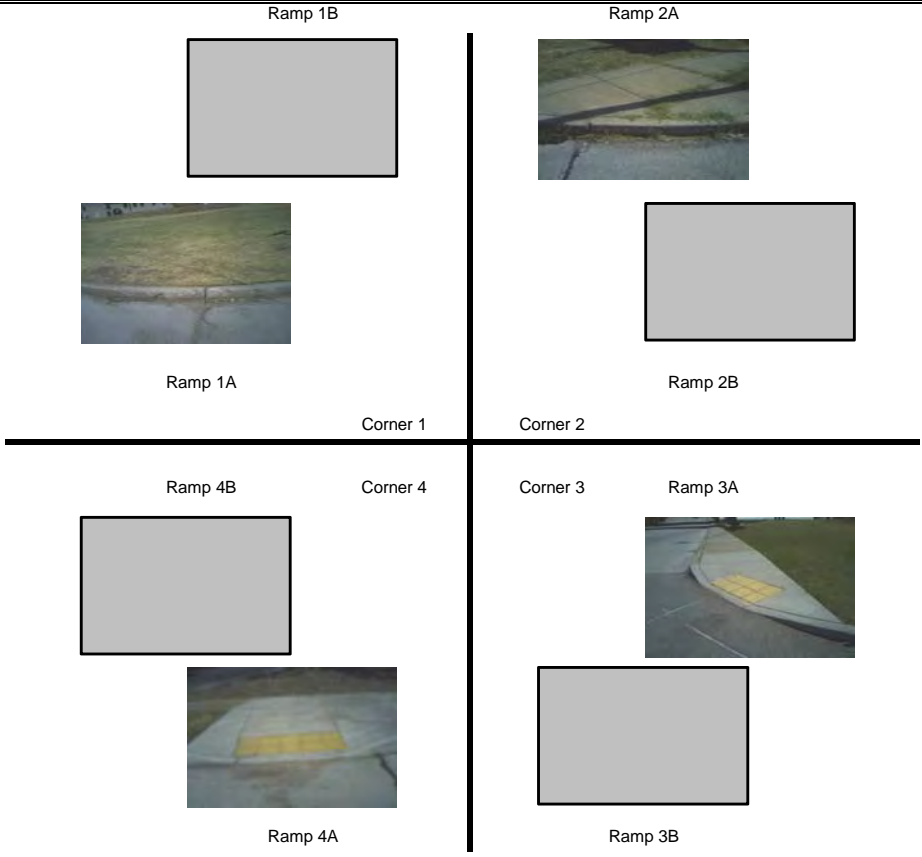
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Haskell Pl and N Cincinnati Ave

GPS ID: 31000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

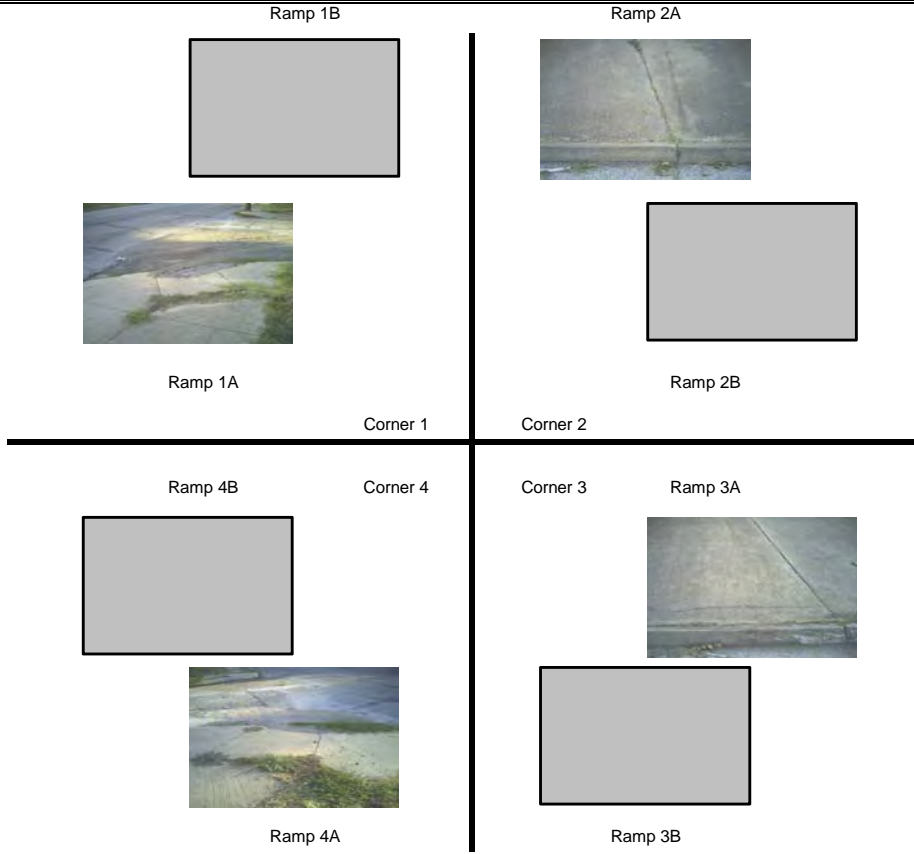
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X						X		Install landing area
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Independence St and N Cincinnati Ave

GPS ID: 31001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,057.80
Engineering: (% +/-)	15%	\$ 3,403.80
Contingency: (% +/-)	20%	\$ 4,538.40
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

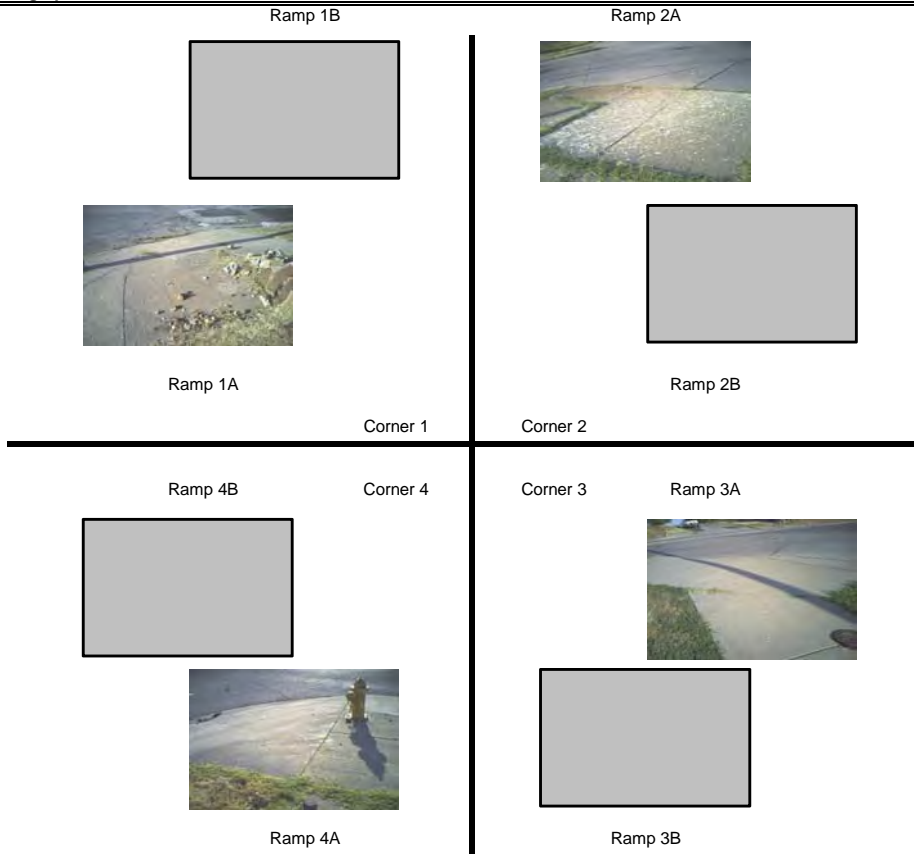
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Danger	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X						X		Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X				
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Jasper St and N Cincinnati Ave

GPS ID: 31002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

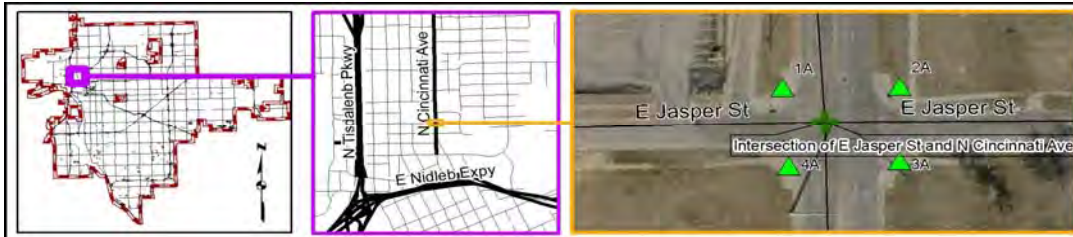
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,862.80
Engineering: (% +/-)	15%	\$ 3,487.37
Contingency: (% +/-)	20%	\$ 4,649.83
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%			X				X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Install landing area
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									Install landing area
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Latimer St and N Cincinnati Ave

GPS ID: 31003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

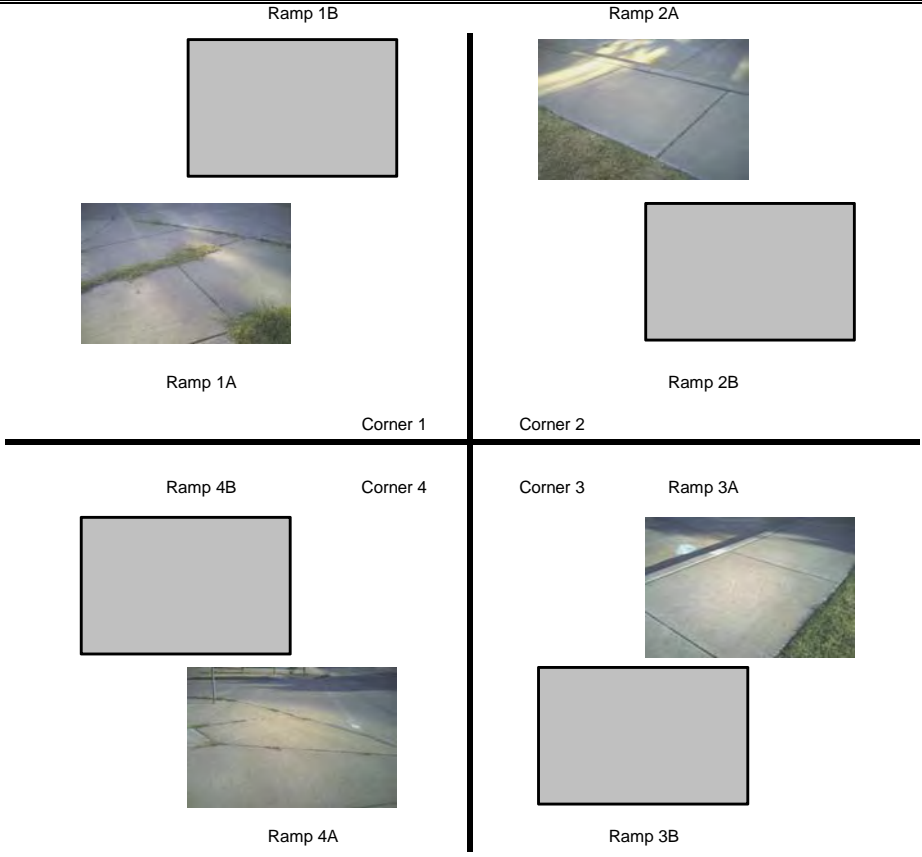
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist	X								
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Latimer Pl

GPS ID: 31004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,187.80
Engineering: (% +/-)	15%	\$ 3,776.66
Contingency: (% +/-)	20%	\$ 5,035.54
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

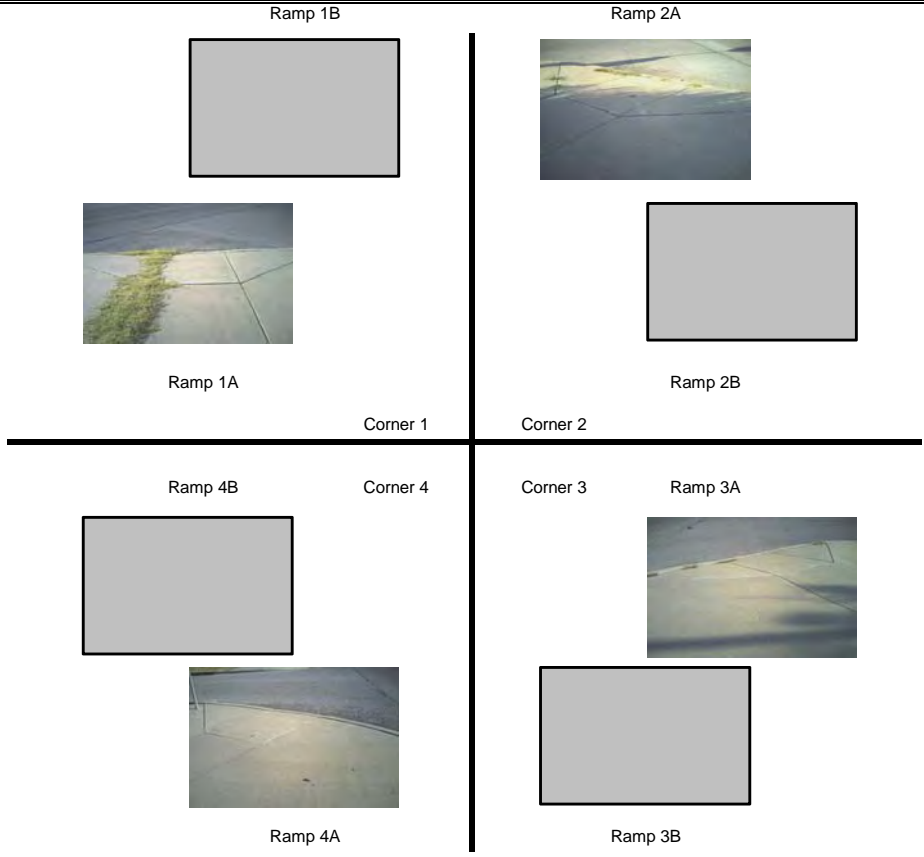
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Marshall St and N Cincinnati Ave

GPS ID: 31005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

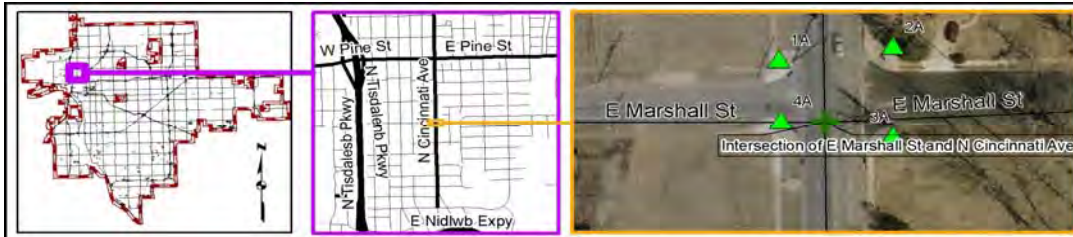
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,992.80
Engineering: (% +/-)	15%	\$ 3,860.23
Contingency: (% +/-)	20%	\$ 5,146.97
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

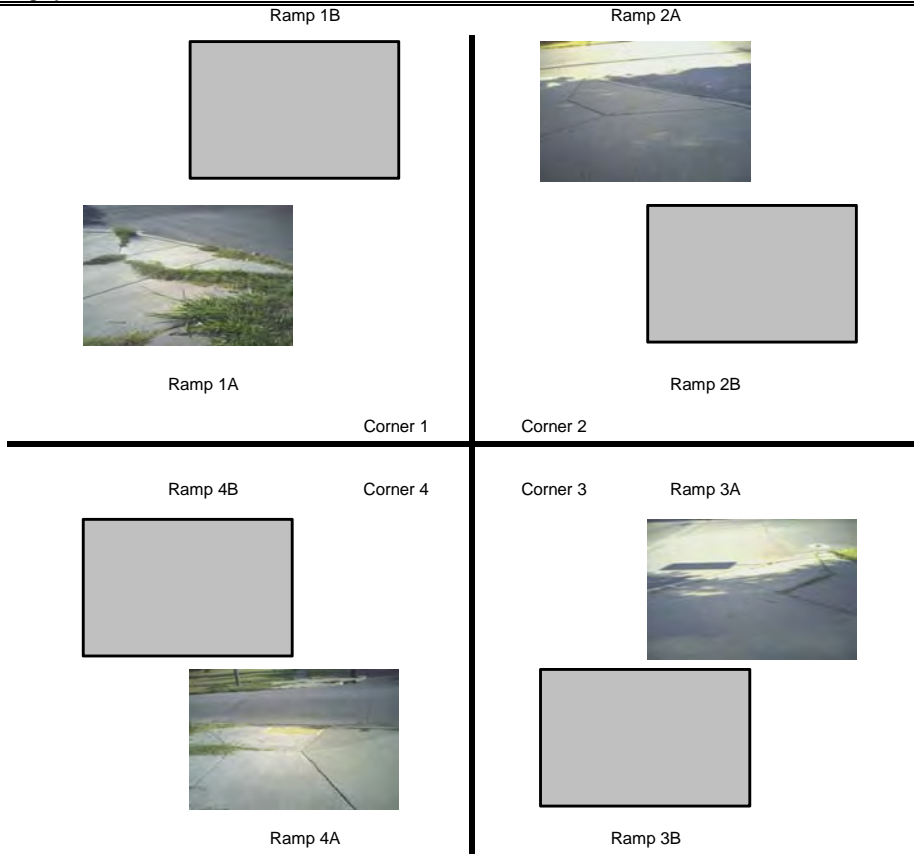
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID						Recommendations
	1A	1B	2A	2B	3A	3B	
Ramp does not land in crosswalk	X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X		
Ramp does not exist and is needed			X		X		Remove and replace ramp
Flare cross slope is greater than 10%			X		X		
Ramp running slope is greater than 8.33%			X		X		
Ramp cross slope is greater than 2%	X		X				Install colored truncated domes
Ramp width is less than 36"	X		X				
Obstruction present in ramp or landing area	X						Install landing area
No textured surface at base of ramp	X		X		X		
No color contrast at base of ramp	X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		
No pedestrian push buttons							Regrade roadway
Pedestrian pushbutton diameter is not 2"							
Pedestrian pushbutton height is greater than 42"							Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge							
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X		
Ponding occurs at base of ramp					X		Regrade roadway
Ramp not needed due to existing geometry							
Ramp Priority:	H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Newton St and N Cincinnati Ave

GPS ID: 31006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

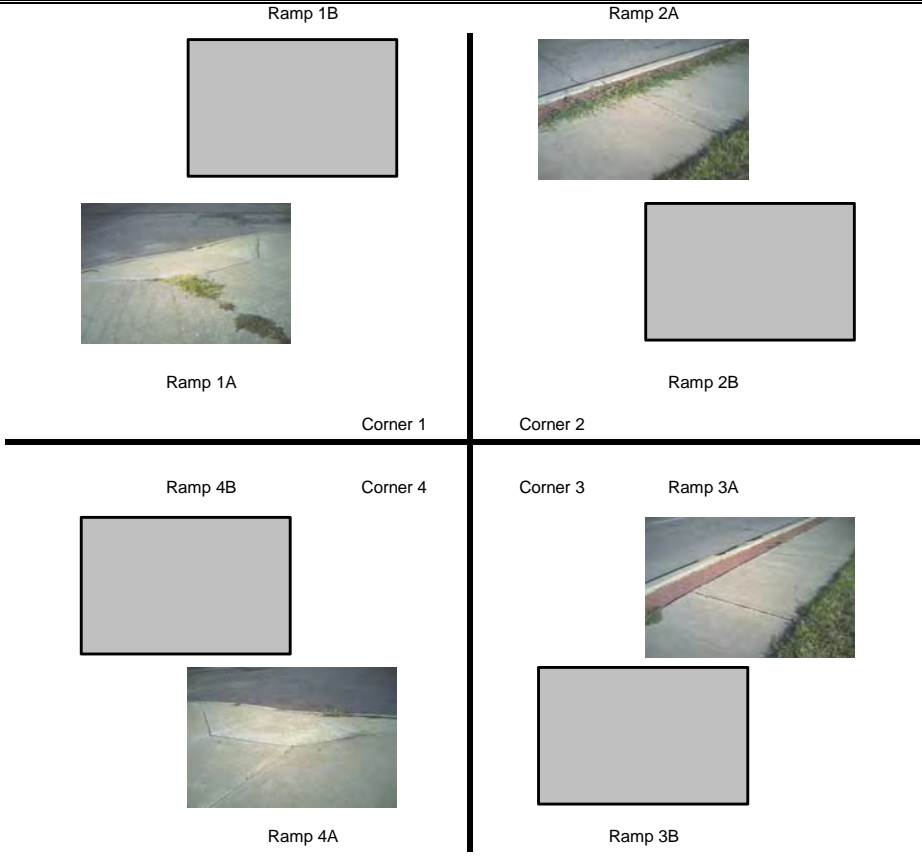
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Danger	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Newton Pl

GPS ID: 31007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

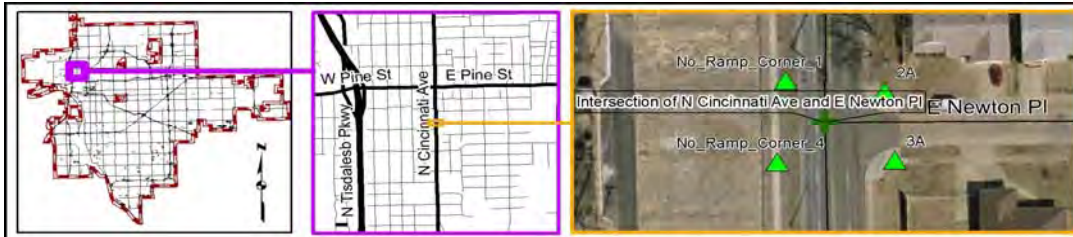
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

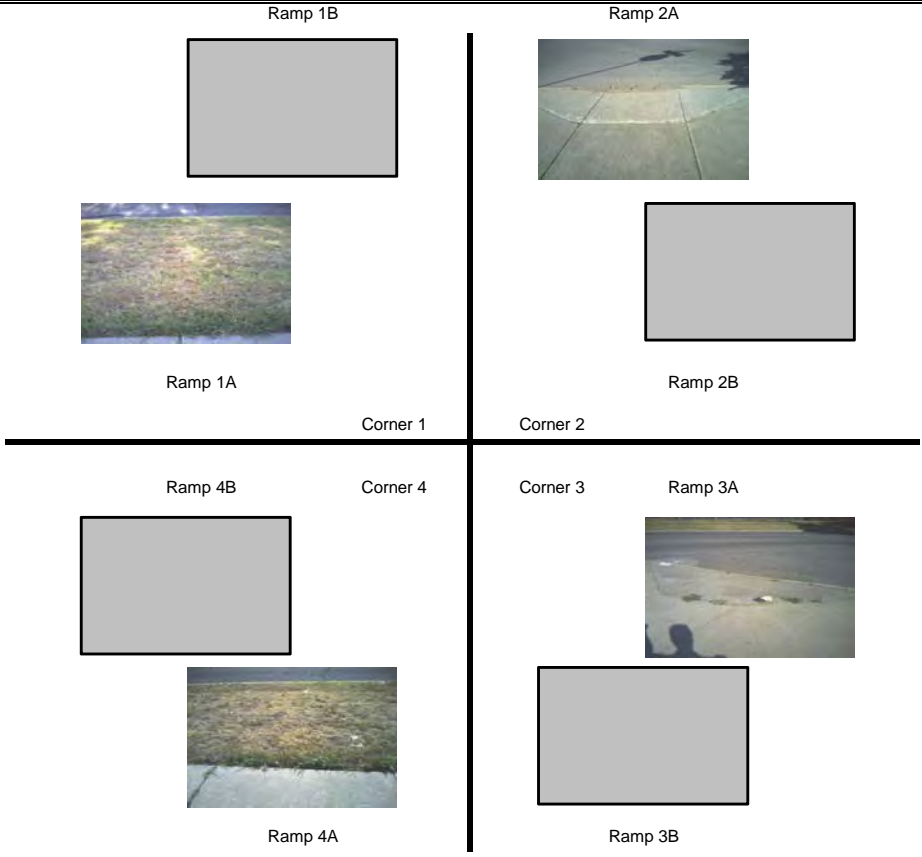
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Remove and replace ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:			M	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Oklahoma St (east)

GPS ID: 31008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

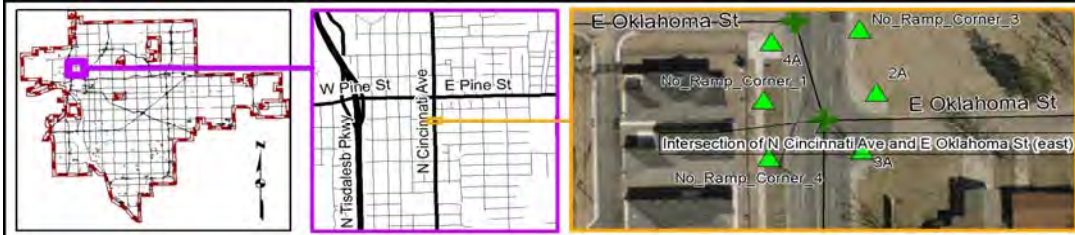
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

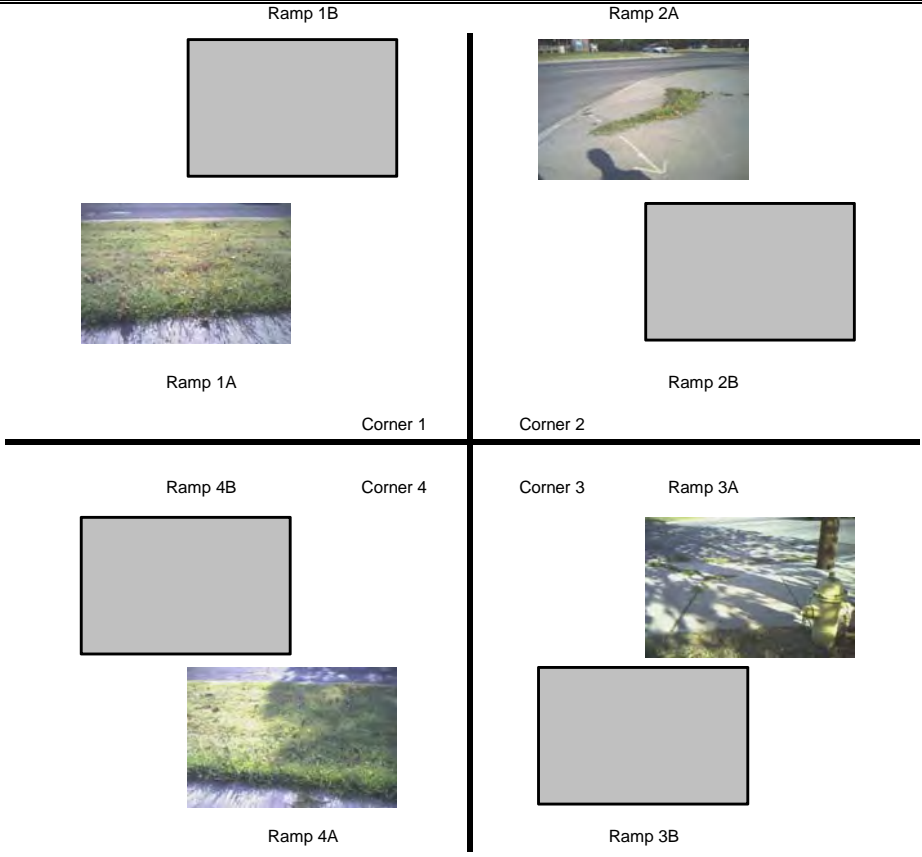
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed			X	X					Remove and replace ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Install colored truncated domes
Ramp width is less than 36"			X	X					
Obstruction present in ramp or landing area			X	X					Install landing area
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									Install landing area
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"				X					
Ponding occurs at base of ramp				X					Regrade roadway
Ramp not needed due to existing geometry				X					
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Oklahoma St (west)

GPS ID: 31009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Install landing area
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Queen St and N Cincinnati Ave

GPS ID: 31010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,252.80
Engineering: (% +/-)	15%	\$ 3,748.80
Contingency: (% +/-)	20%	\$ 4,998.40
Estimated Project Cost:	\$	32,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

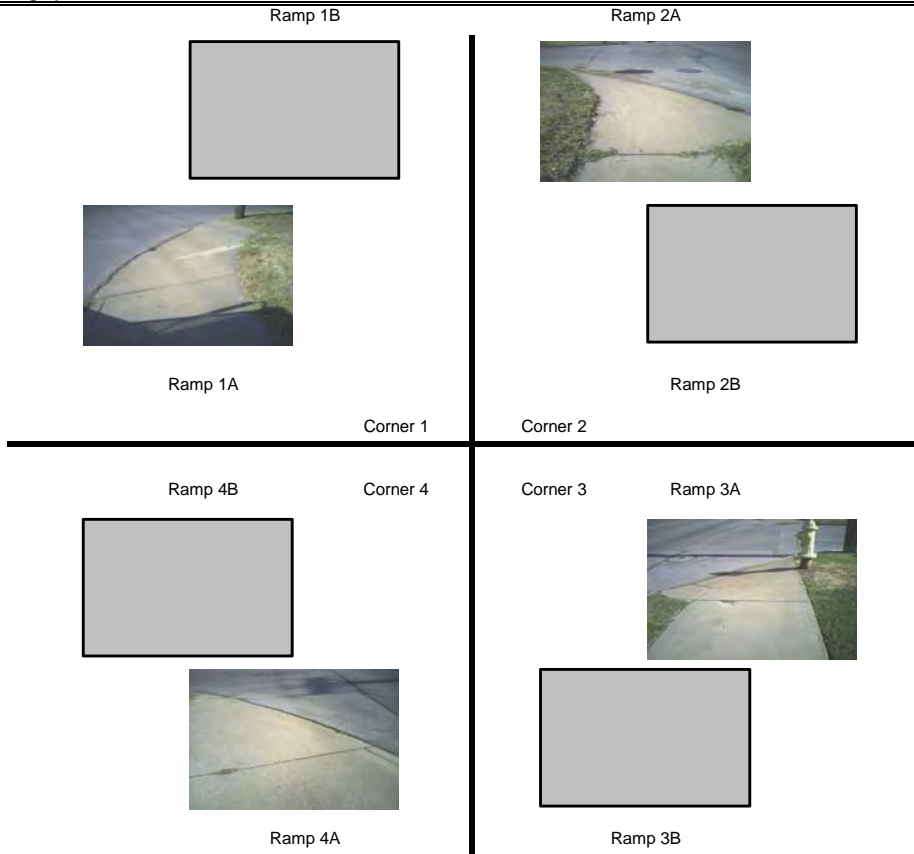
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Remove and replace ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Reading St

GPS ID: 31011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed			X	X					Remove and replace ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"			X	X					Remove and replace ramp
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons			X	X					
Pedestrian pushbutton diameter is not 2"			X	X					Install landing area
Pedestrian pushbutton height is greater than 42"			X	X					
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X					Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X					
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry			X	X					Regrade roadway
Ramp Priority:			H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Seminole St

GPS ID: 31012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Seminole Pl

GPS ID: 31013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

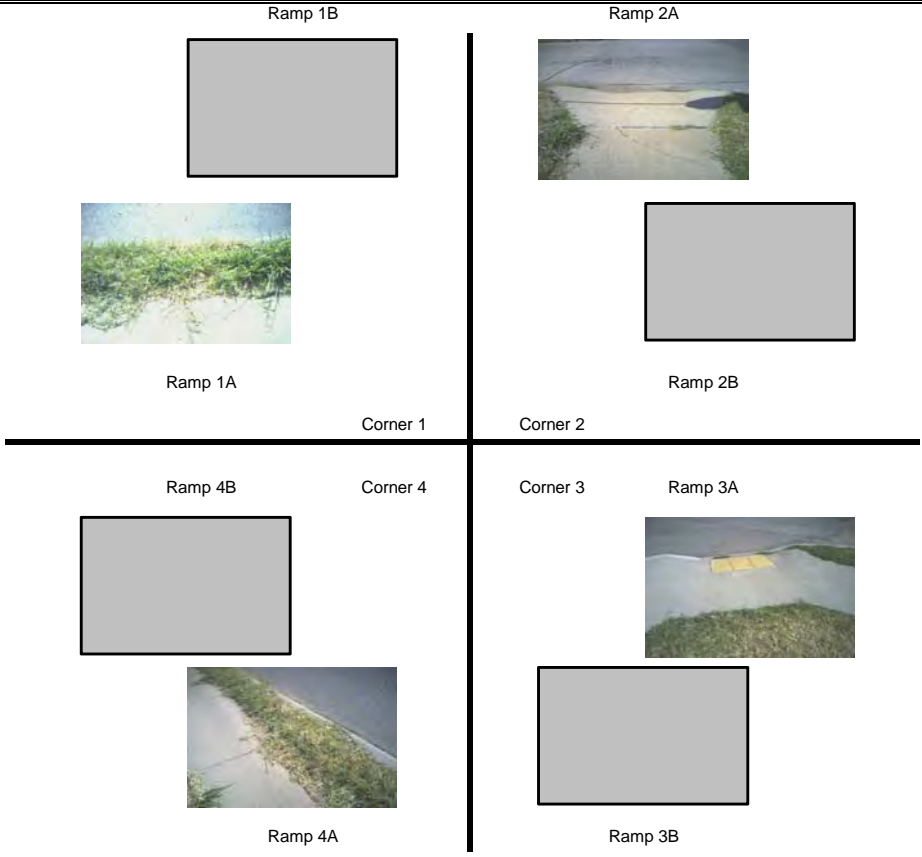
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed			X	X					Remove and replace ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Install colored truncated domes
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"			X	X					Install landing area
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					Install landing area
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons			X	X					
Pedestrian pushbutton diameter is not 2"			X	X					Install landing area
Pedestrian pushbutton height is greater than 42"			X	X					
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X					Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X					
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry			X	X					Regrade roadway
Ramp Priority:			H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Tecumseh St (east)

GPS ID: 31014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

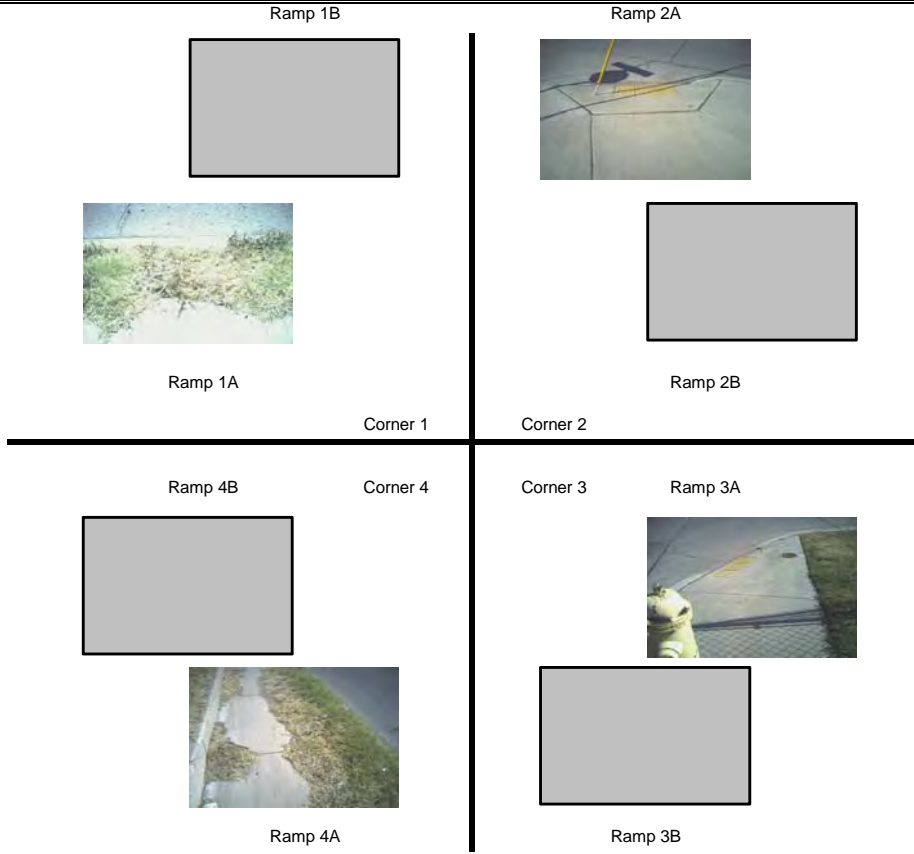
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X				
Ramp does not exist and is needed			X		X				Remove and replace ramp
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"			X		X				
Obstruction present in ramp or landing area			X		X				Install landing area
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons			X		X				
Pedestrian pushbutton diameter is not 2"			X		X				
Pedestrian pushbutton height is greater than 42"			X		X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X		X				
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				
Ramp transition onto roadway is greater than 0.25"			X		X				
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry			X		X				
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Tecumseh St (west)

GPS ID: 31015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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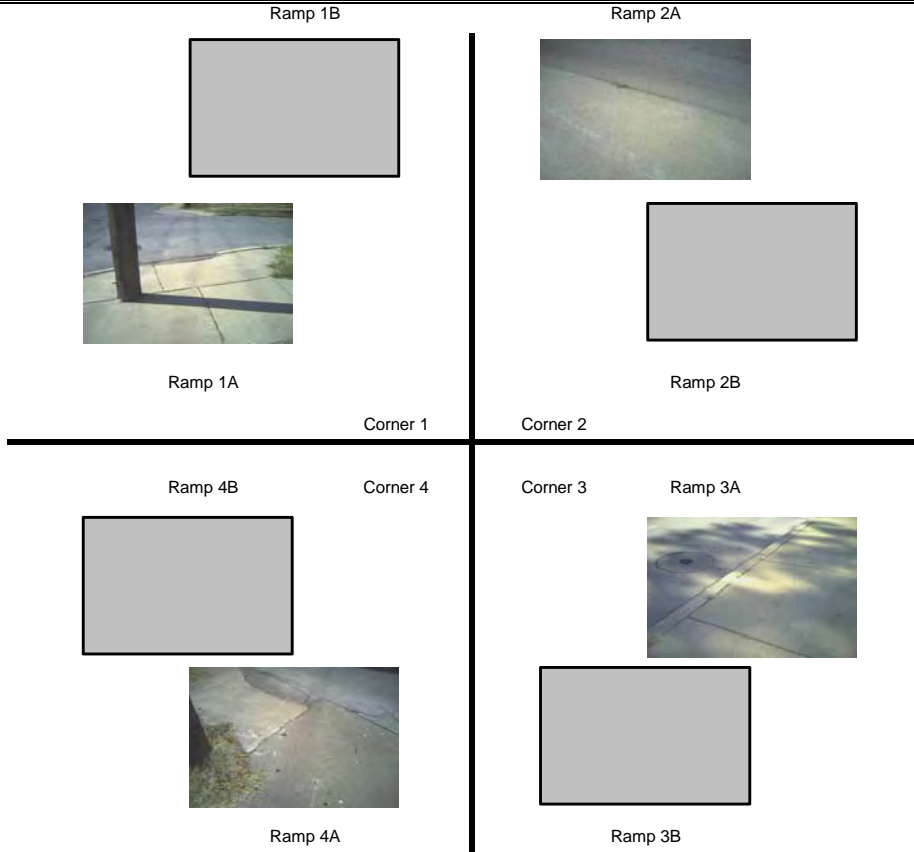
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Ute St

GPS ID: 31016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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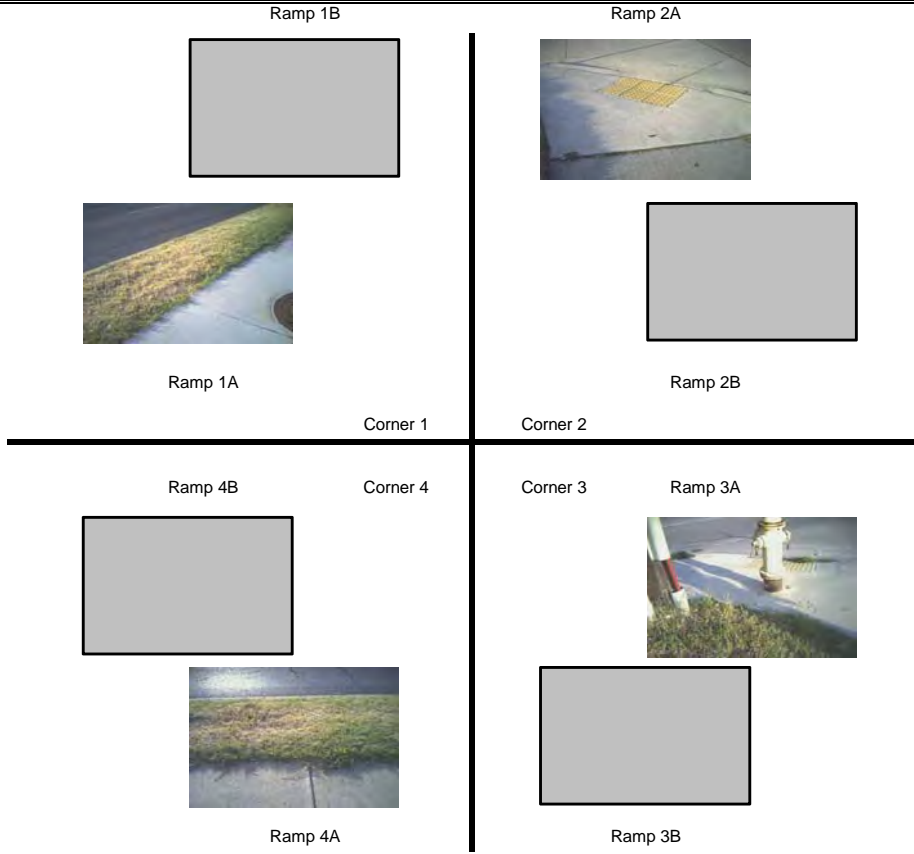
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk			X	X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X				
Ramp does not exist and is needed			X	X				Remove and replace ramp
Flare cross slope is greater than 10%			X	X				
Ramp running slope is greater than 8.33%			X	X				Remove and replace ramp
Ramp cross slope is greater than 2%			X	X				
Ramp width is less than 36"			X	X				Remove and replace ramp
Obstruction present in ramp or landing area			X	X				
No textured surface at base of ramp			X	X				Remove and replace ramp
No color contrast at base of ramp			X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X				Install landing area
No pedestrian push buttons			X	X				
Pedestrian pushbutton diameter is not 2"			X	X				Install landing area
Pedestrian pushbutton height is greater than 42"			X	X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X				Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X				
Ramp transition onto roadway is greater than 0.25"			X	X				Install landing area
Ponding occurs at base of ramp			X	X				
Ramp not needed due to existing geometry			X	X				Install landing area
Ramp Priority:			X	X				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Ute Pl

GPS ID: 31017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk			X	X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X				
Ramp does not exist and is needed			X	X				Remove and replace ramp
Flare cross slope is greater than 10%			X	X				
Ramp running slope is greater than 8.33%			X	X				Remove and replace ramp
Ramp cross slope is greater than 2%			X	X				
Ramp width is less than 36"			X	X				Remove and replace ramp
Obstruction present in ramp or landing area			X	X				
No textured surface at base of ramp			X	X				Remove and replace ramp
No color contrast at base of ramp			X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X				Install landing area
No pedestrian push buttons			X	X				
Pedestrian pushbutton diameter is not 2"			X	X				Install landing area
Pedestrian pushbutton height is greater than 42"			X	X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X				Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X				
Ramp transition onto roadway is greater than 0.25"			X	X				Install landing area
Ponding occurs at base of ramp			X	X				
Ramp not needed due to existing geometry			X	X				Install landing area
Ramp Priority:			H	M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Virgin St

GPS ID: 31018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed			X	X					Remove and replace ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Install colored truncated domes
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"			X	X					Regrade roadway
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					Regrade roadway
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:			H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Victoria St and N Cincinnati Ave

GPS ID: 31019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

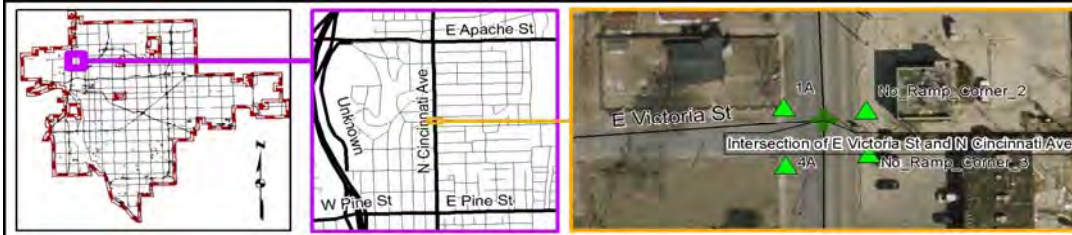
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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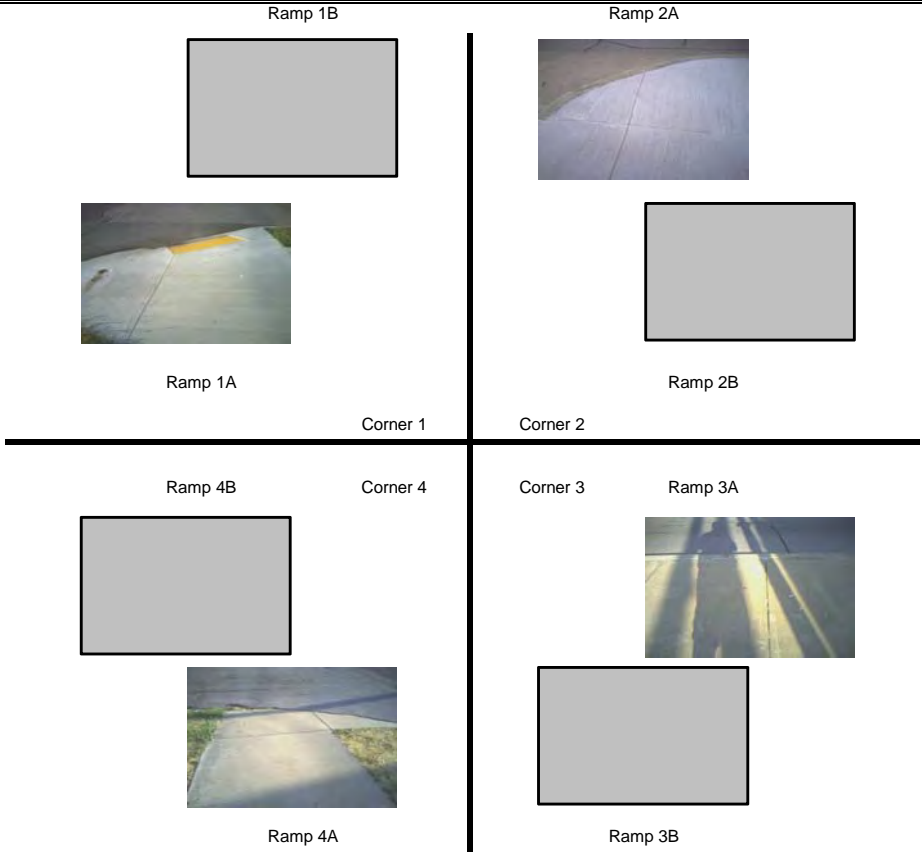
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed								X	Remove and replace ramp
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%	X								Install colored truncated domes
Ramp width is less than 36"								X	
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp								X	
No color contrast at base of ramp								X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"								X	
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"								X	
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Woodrow Pl and N Cincinnati Ave

GPS ID: 31020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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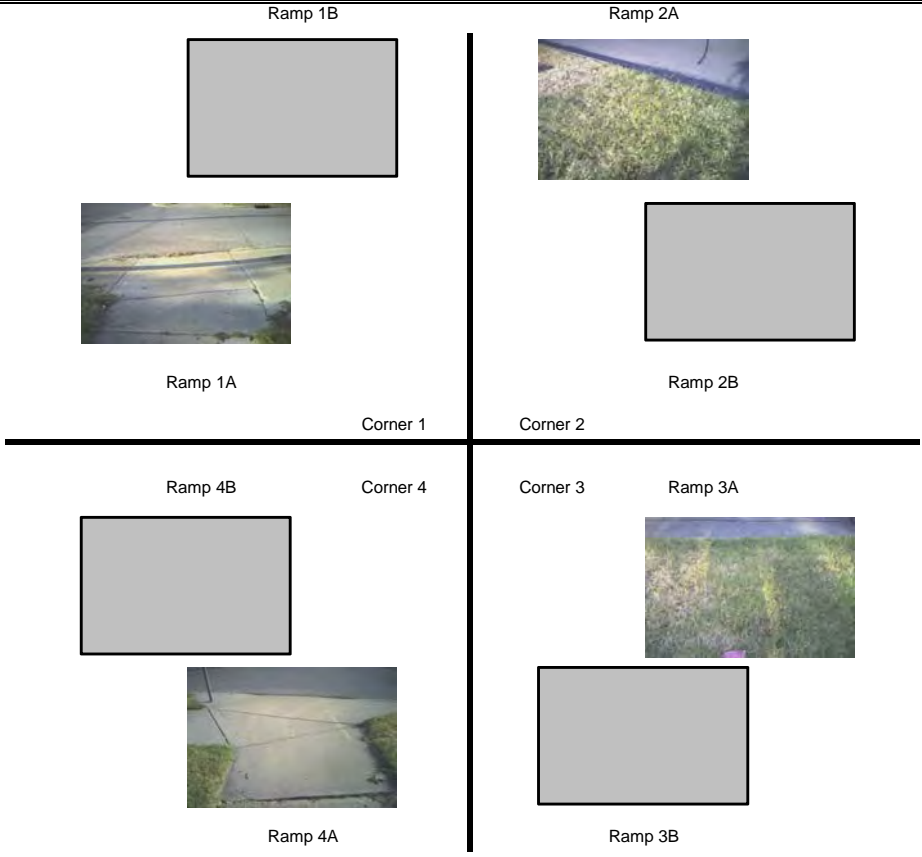
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Xyler St (west)

GPS ID: 31022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

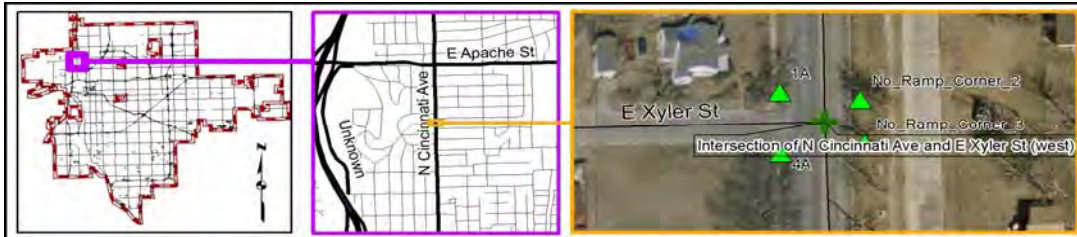
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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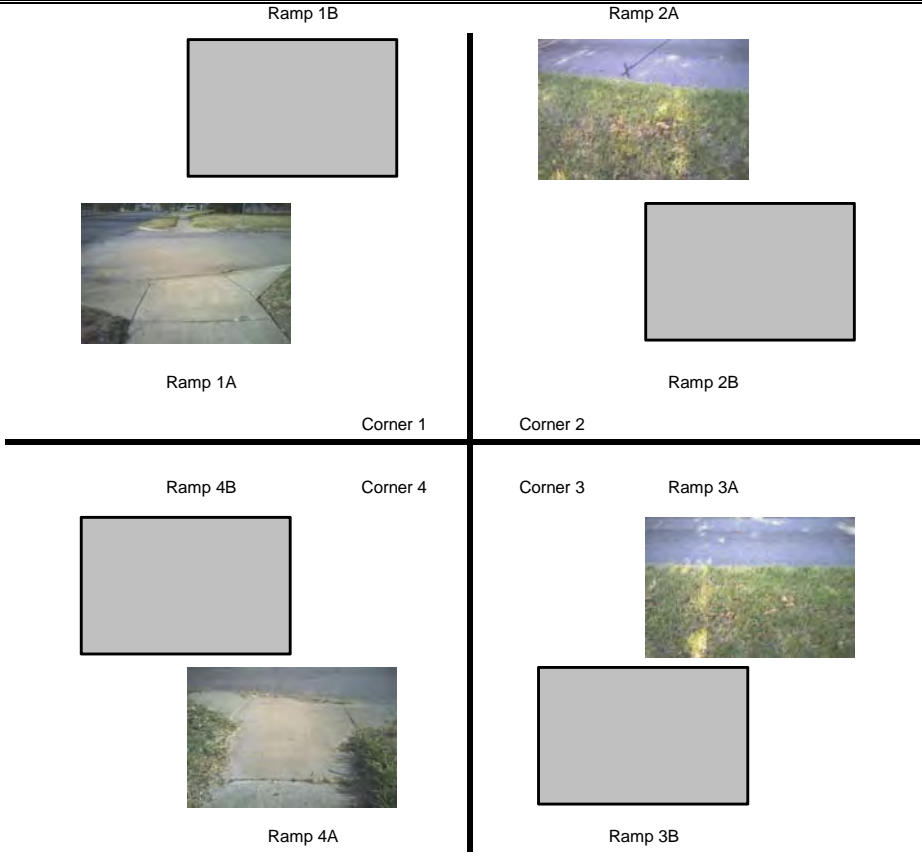
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Xyler St (east)

GPS ID: 31023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk			X	X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X				
Ramp does not exist and is needed			X					Remove and replace ramp
Flare cross slope is greater than 10%			X					
Ramp running slope is greater than 8.33%			X					Remove and replace ramp
Ramp cross slope is greater than 2%			X					
Ramp width is less than 36"			X					Remove and replace ramp
Obstruction present in ramp or landing area			X					
No textured surface at base of ramp			X	X				Install colored truncated domes
No color contrast at base of ramp			X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X				Install landing area
No pedestrian push buttons			X	X				
Pedestrian pushbutton diameter is not 2"			X	X				Install landing area
Pedestrian pushbutton height is greater than 42"			X	X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X				Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X				
Ramp transition onto roadway is greater than 0.25"			X	X				Regrade roadway
Ponding occurs at base of ramp			X	X				
Ramp not needed due to existing geometry			X	X				Regrade roadway
Ramp Priority:			H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E Young St

GPS ID: 31024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

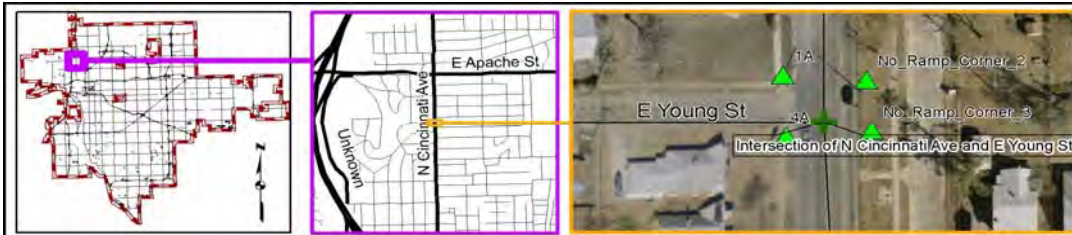
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

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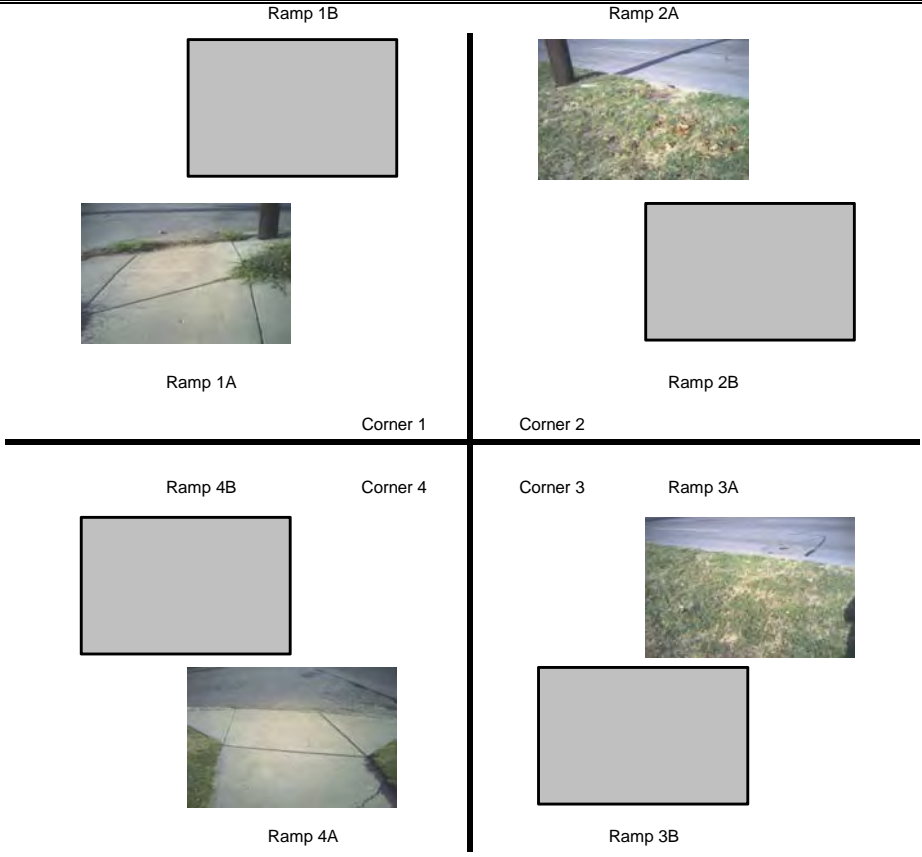
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Zion St and N Cincinnati Ave

GPS ID: 31025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%			X				X		Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 27th St N

GPS ID: 31026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 27th PI N

GPS ID: 31027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

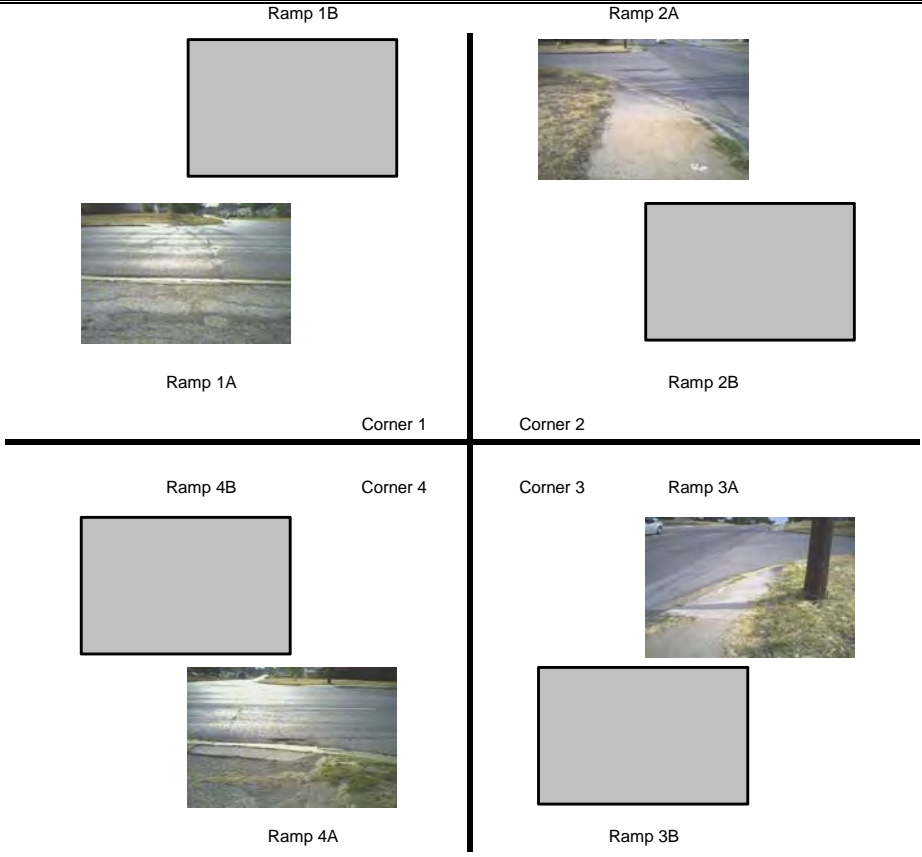
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 27th Ct N

GPS ID: 31028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

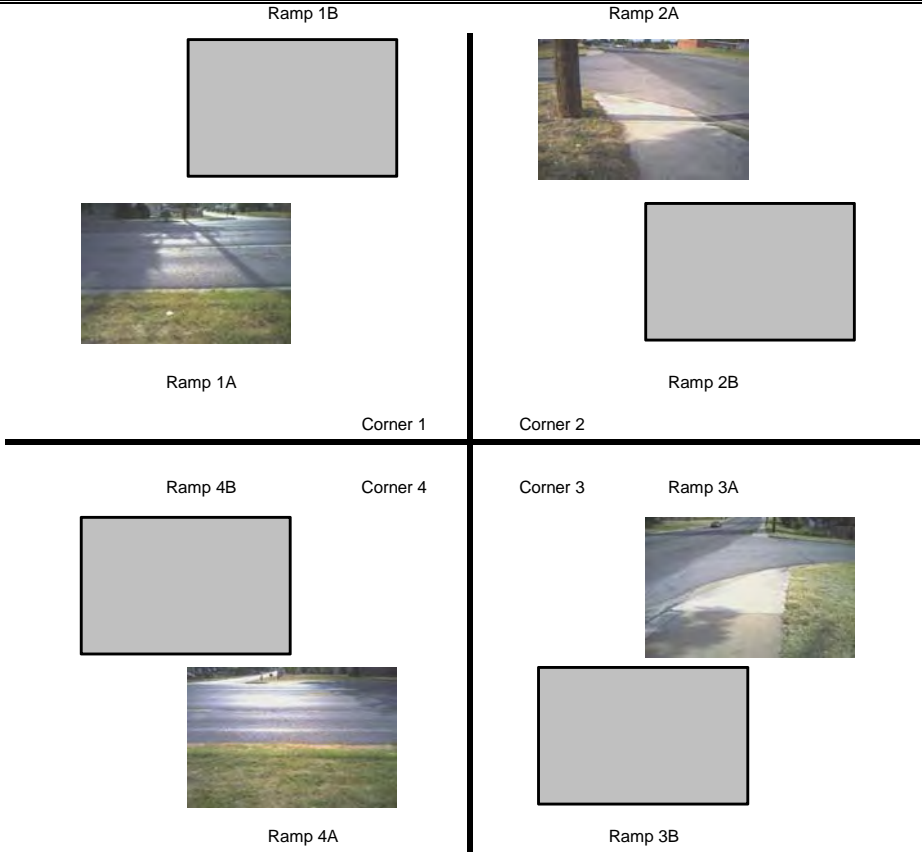
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 28th St N

GPS ID: 31029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

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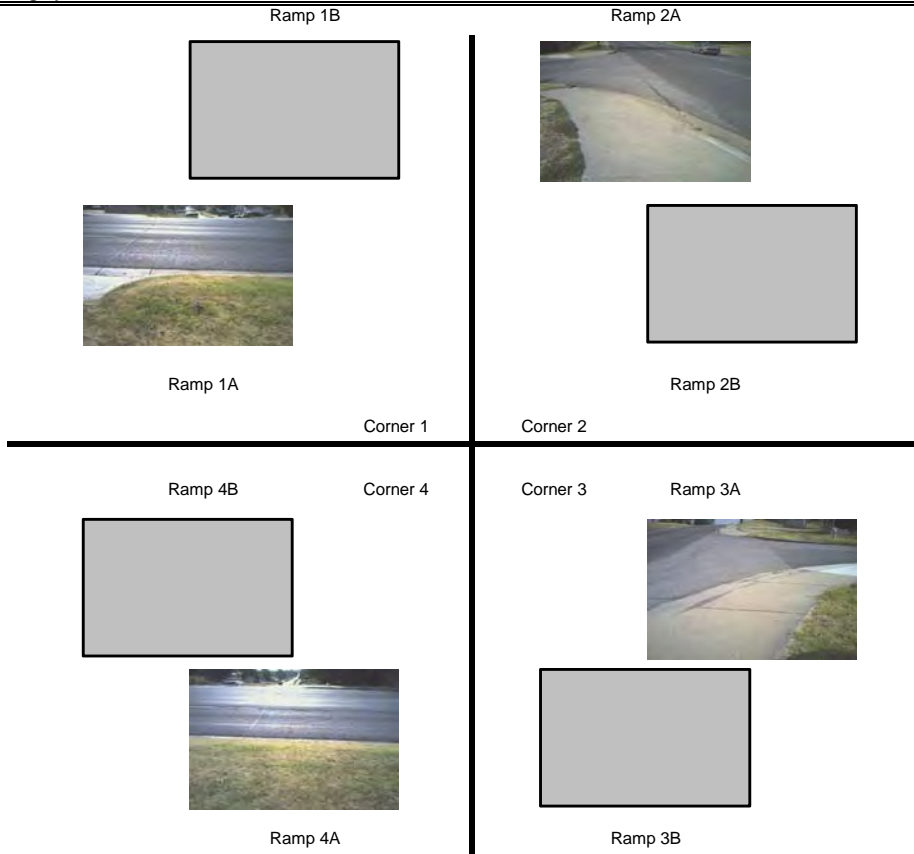
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			H		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 29th St N

GPS ID: 31030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 30th St N

GPS ID: 31031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

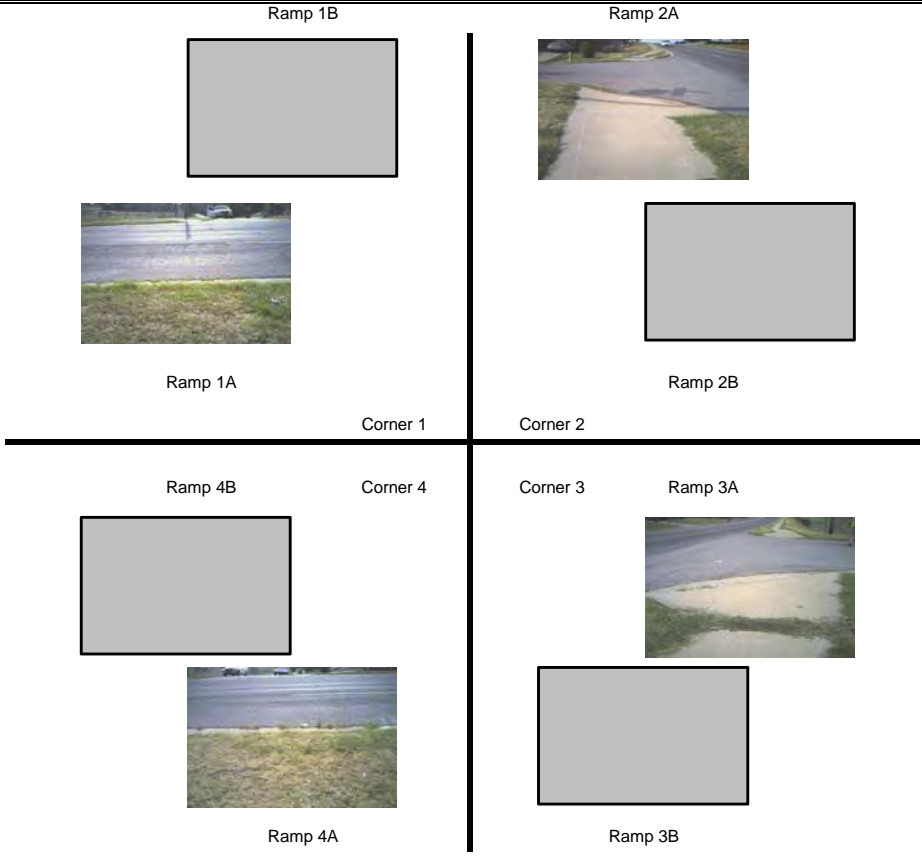
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 31st St N

GPS ID: 31032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

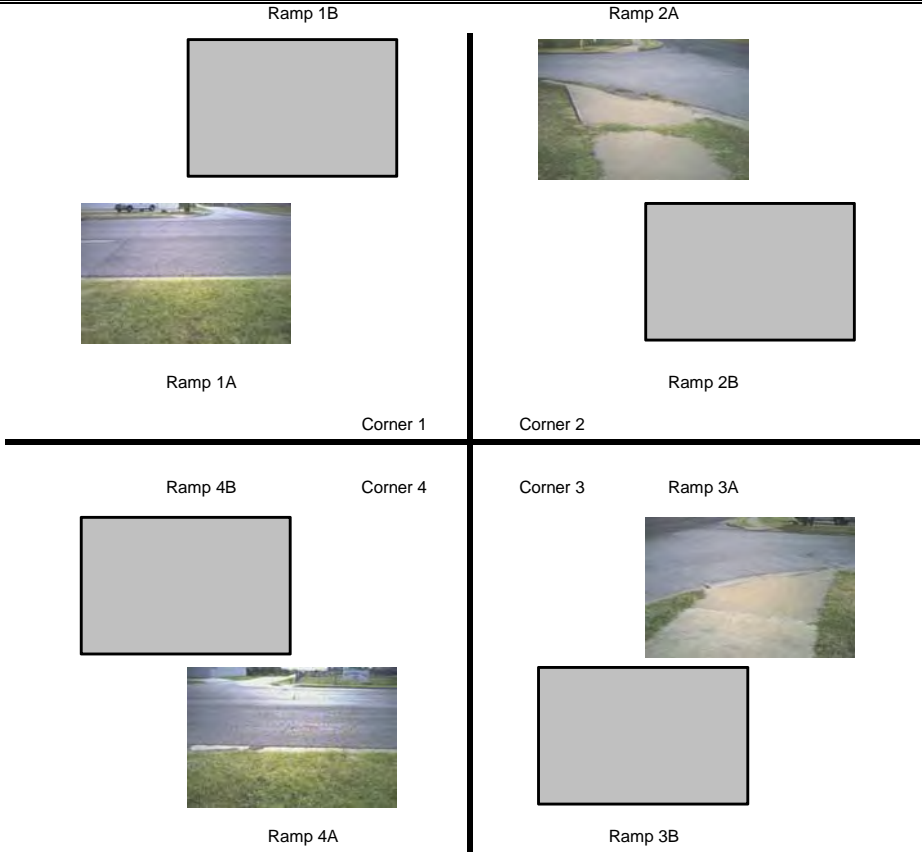
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 35th St N (south)

GPS ID: 31033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,451.40
Engineering: (% +/-)	15%	\$ 2,377.97
Contingency: (% +/-)	20%	\$ 3,170.63
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					Install landing area
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:			H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

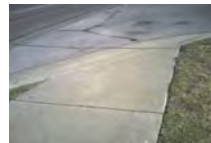
Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 35th St N (north)

GPS ID: 31034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	15,000.00

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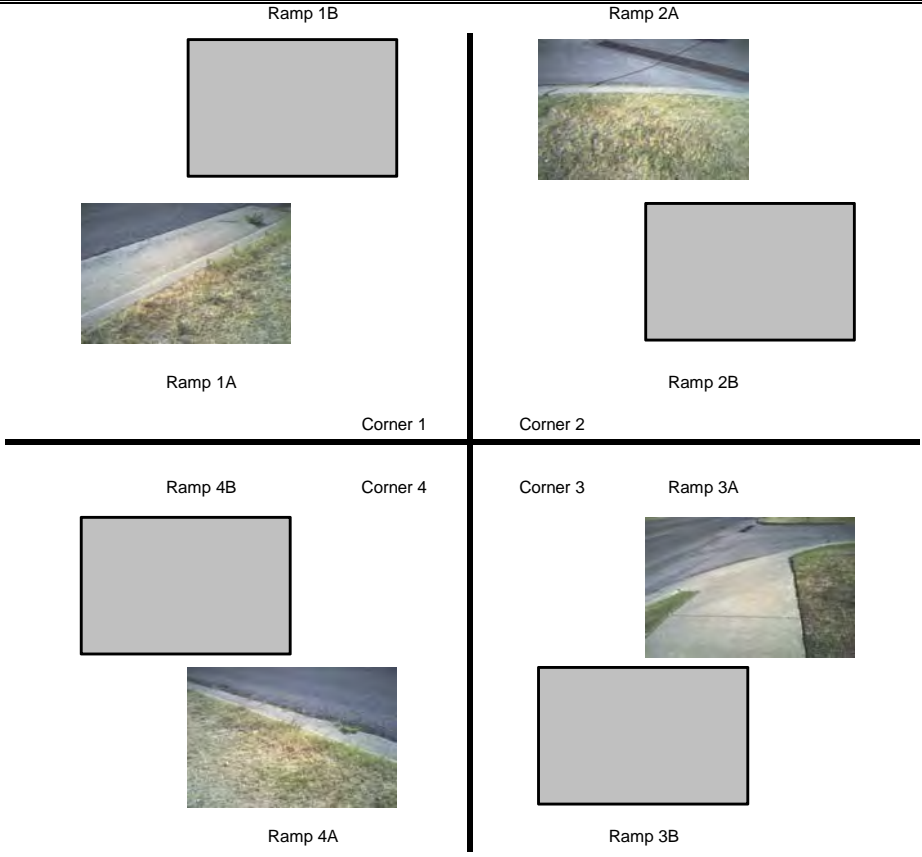
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk				X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X					
Ramp does not exist and is needed								Install handicap ramp
Flare cross slope is greater than 10%								
Ramp running slope is greater than 8.33%					X			Remove and replace ramp
Ramp cross slope is greater than 2%					X			
Ramp width is less than 36"								
Obstruction present in ramp or landing area								
No textured surface at base of ramp					X			Install colored truncated domes
No color contrast at base of ramp					X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X				Install landing area
No pedestrian push buttons								
Pedestrian pushbutton diameter is not 2"								
Pedestrian pushbutton height is greater than 42"								
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								
Ramp transition onto roadway is greater than 0.25"								
Ponding occurs at base of ramp								
Ramp not needed due to existing geometry								
Ramp Priority:			H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Dr and N Cincinnati Ave

GPS ID: 31035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

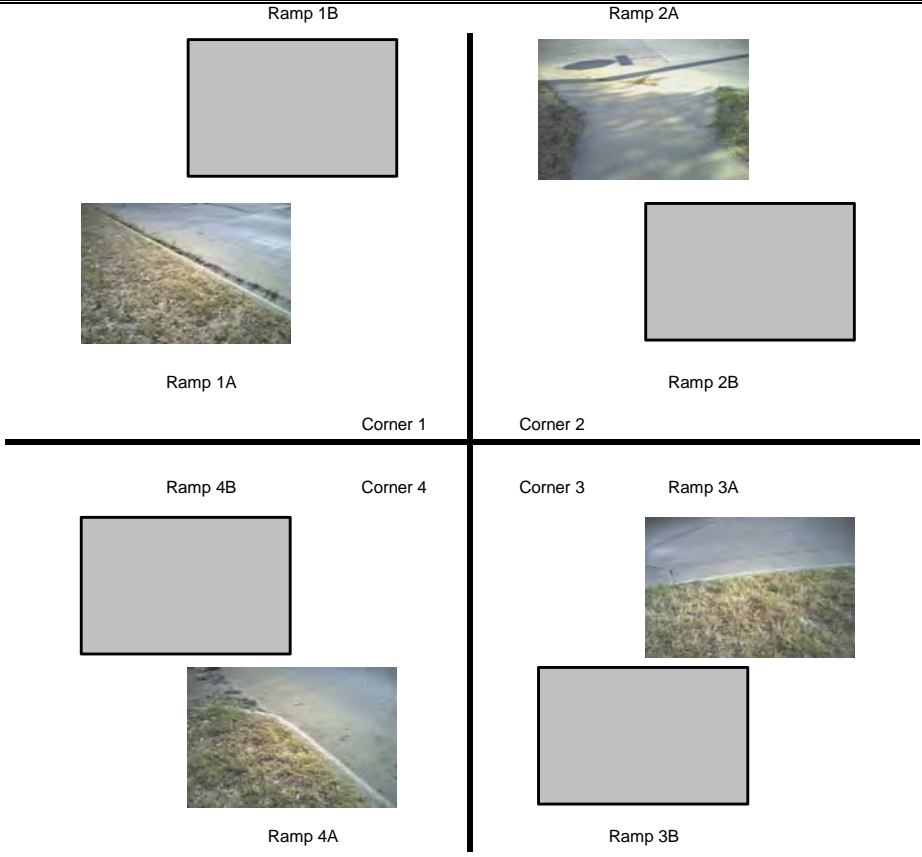
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk					X				Install handicap ramp
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 44th St N

GPS ID: 31036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,424.00
Engineering: (% +/-)	15%	\$ 3,246.86
Contingency: (% +/-)	20%	\$ 4,329.14
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

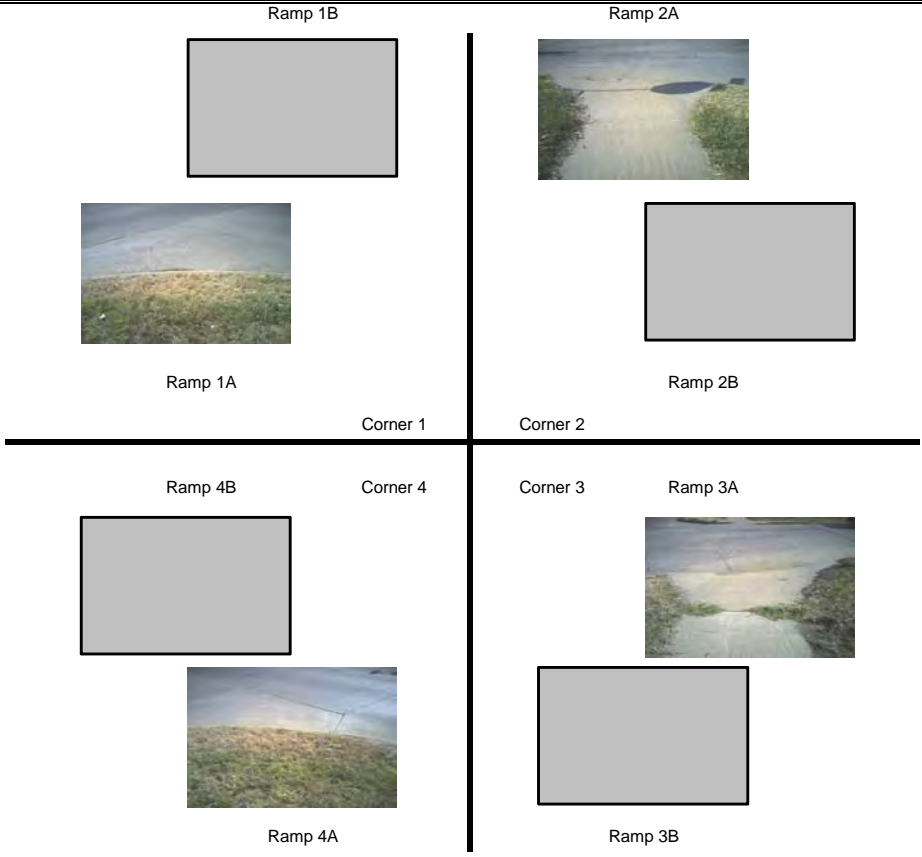
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk			X	X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk								
Ramp does not exist and is needed	X					X		Install handicap ramp
Flare cross slope is greater than 10%			X	X				
Ramp running slope is greater than 8.33%			X					Remove and replace ramp
Ramp cross slope is greater than 2%								
Ramp width is less than 36"								
Obstruction present in ramp or landing area								
No textured surface at base of ramp			X	X				Install colored truncated domes
No color contrast at base of ramp			X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X					Install landing area
No pedestrian push buttons								
Pedestrian pushbutton diameter is not 2"								
Pedestrian pushbutton height is greater than 42"								
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								
Ramp transition onto roadway is greater than 0.25"								
Ponding occurs at base of ramp								
Ramp not needed due to existing geometry								
Ramp Priority:	H		H		H		H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 49th St N and N Cincinnati Ave

GPS ID: 31037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,229.00
Engineering: (% +/-)	15%	\$ 2,473.29
Contingency: (% +/-)	20%	\$ 3,297.71
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

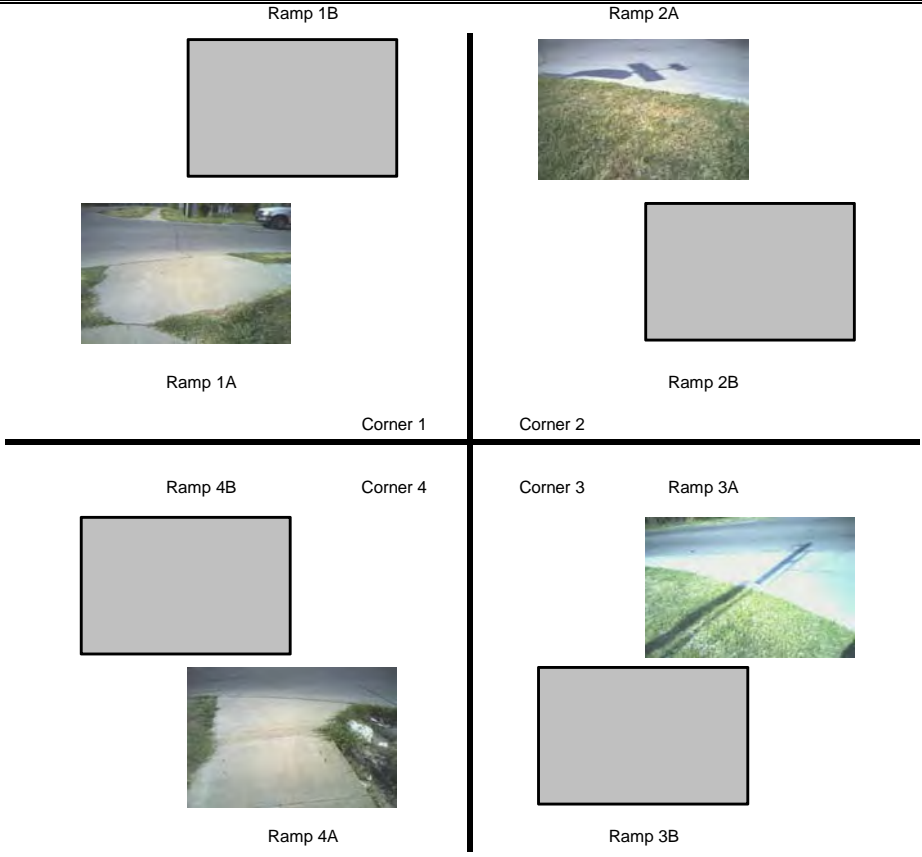
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X		X				
Ramp does not exist and is needed									Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 51st St N and N Cincinnati Ave East

GPS ID: 31038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,866.40
Engineering: (% +/-)	15%	\$ 2,200.11
Contingency: (% +/-)	20%	\$ 2,933.49
Estimated Project Cost:	\$	17,000.00

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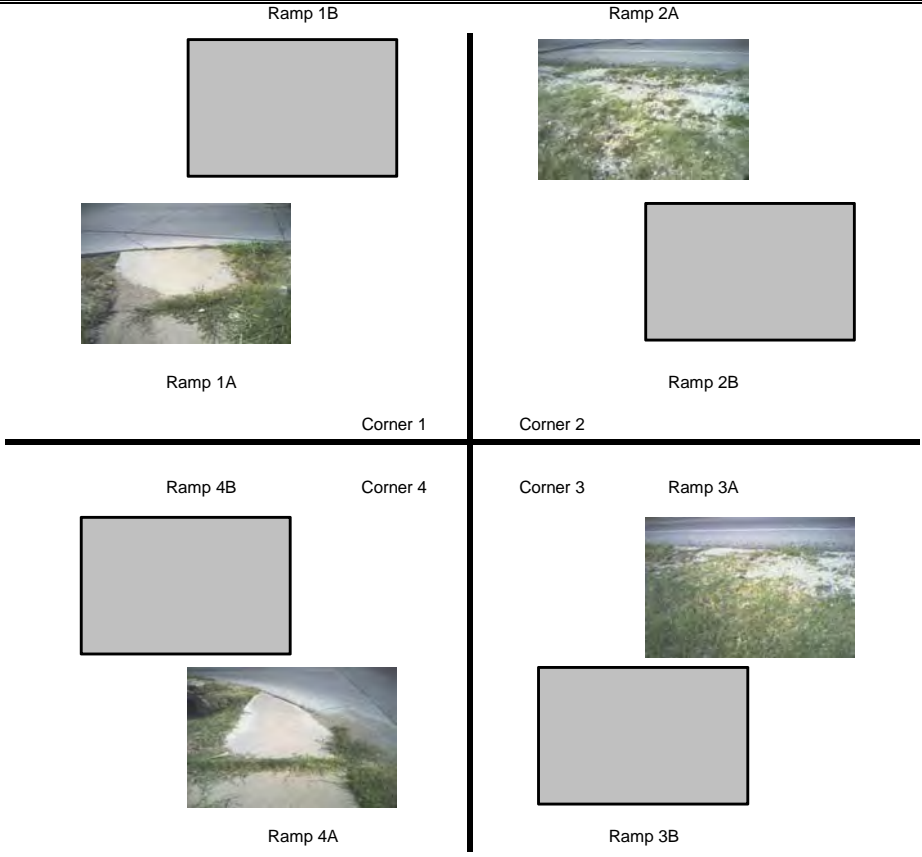
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 51st PI N

GPS ID: 31039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk			X	X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk								
Ramp does not exist and is needed								Remove and replace ramp
Flare cross slope is greater than 10%								
Ramp running slope is greater than 8.33%								Install colored truncated domes
Ramp cross slope is greater than 2%			X	X				
Ramp width is less than 36"								Install landing area
Obstruction present in ramp or landing area								
No textured surface at base of ramp			X	X				Install landing area
No color contrast at base of ramp			X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X				Install landing area
No pedestrian push buttons								
Pedestrian pushbutton diameter is not 2"								Install landing area
Pedestrian pushbutton height is greater than 42"								
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								
Ramp transition onto roadway is greater than 0.25"								Install landing area
Ponding occurs at base of ramp								
Ramp not needed due to existing geometry								Install landing area
Ramp Priority:			M	M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 52nd PI N

GPS ID: 31040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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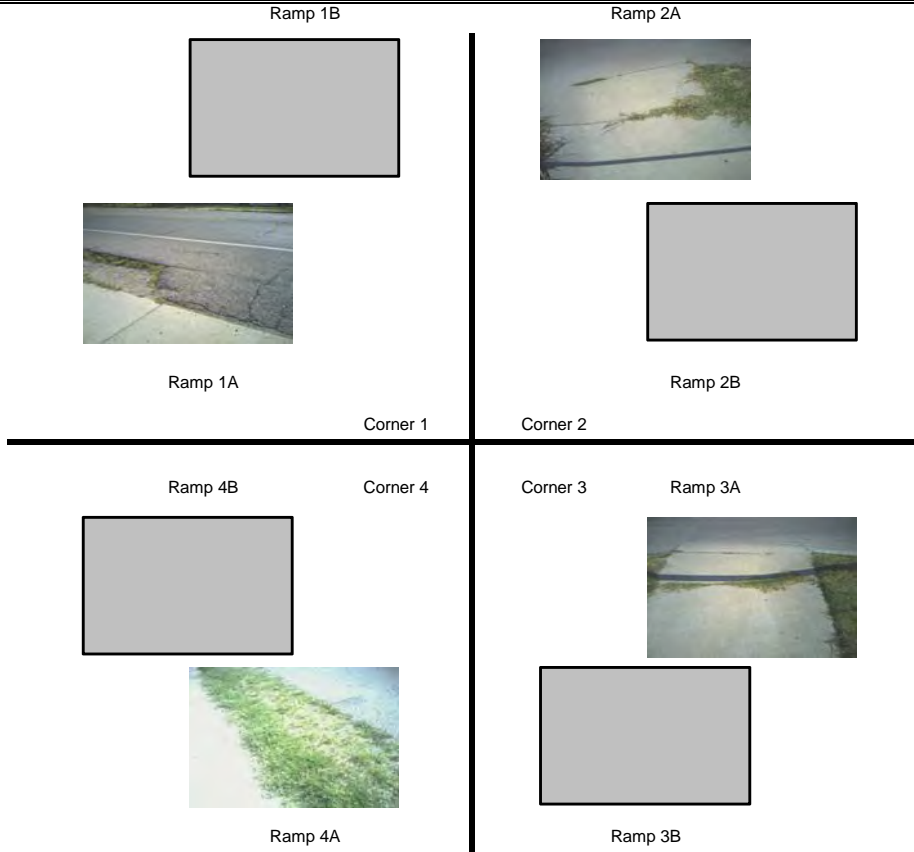
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk			X	X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X				
Ramp does not exist and is needed			X	X				Remove and replace ramp
Flare cross slope is greater than 10%			X	X				
Ramp running slope is greater than 8.33%			X					Install colored truncated domes
Ramp cross slope is greater than 2%			X					
Ramp width is less than 36"			X					Install landing area
Obstruction present in ramp or landing area			X	X				
No textured surface at base of ramp			X	X				Install landing area
No color contrast at base of ramp			X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X				Install landing area
No pedestrian push buttons			X	X				
Pedestrian pushbutton diameter is not 2"			X	X				Install landing area
Pedestrian pushbutton height is greater than 42"			X	X				
Pedestrian head offset is greater than 10' from the nearest crosswalk edge			X	X				Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X				
Ramp transition onto roadway is greater than 0.25"			X	X				Install landing area
Ponding occurs at base of ramp			X	X				
Ramp not needed due to existing geometry			X	X				Install landing area
Ramp Priority:			H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 54th St N

GPS ID: 31041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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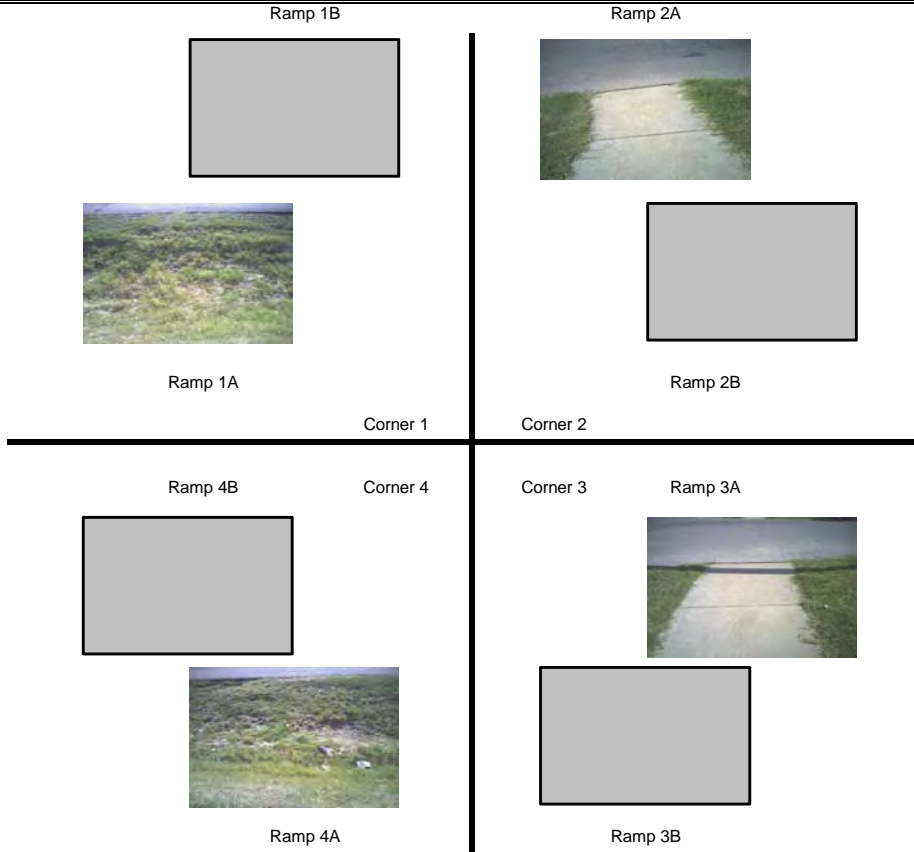
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Install landing area
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:			M		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock crossing at N Cincinnati Ave (north of E 54th St N)

GPS ID: 31042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,354.20
Engineering: (% +/-)	15%	\$ 1,133.91
Contingency: (% +/-)	20%	\$ 1,511.89
Estimated Project Cost:	\$	9,000.00

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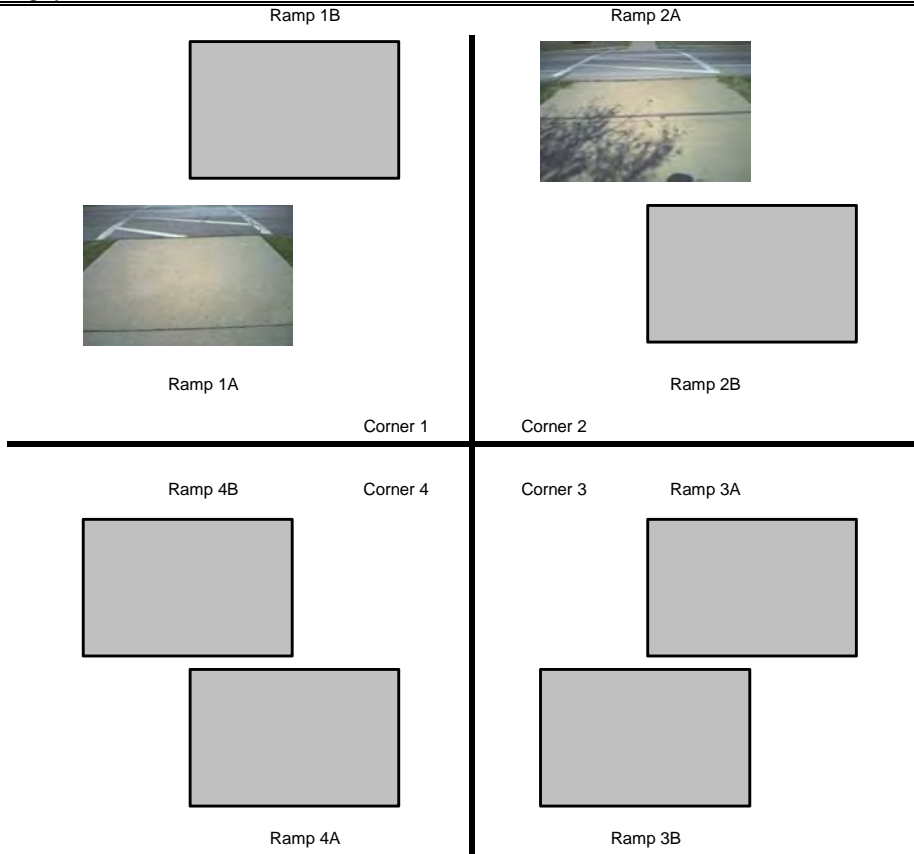
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Cincinnati Ave and E 55th St N

GPS ID: 31043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

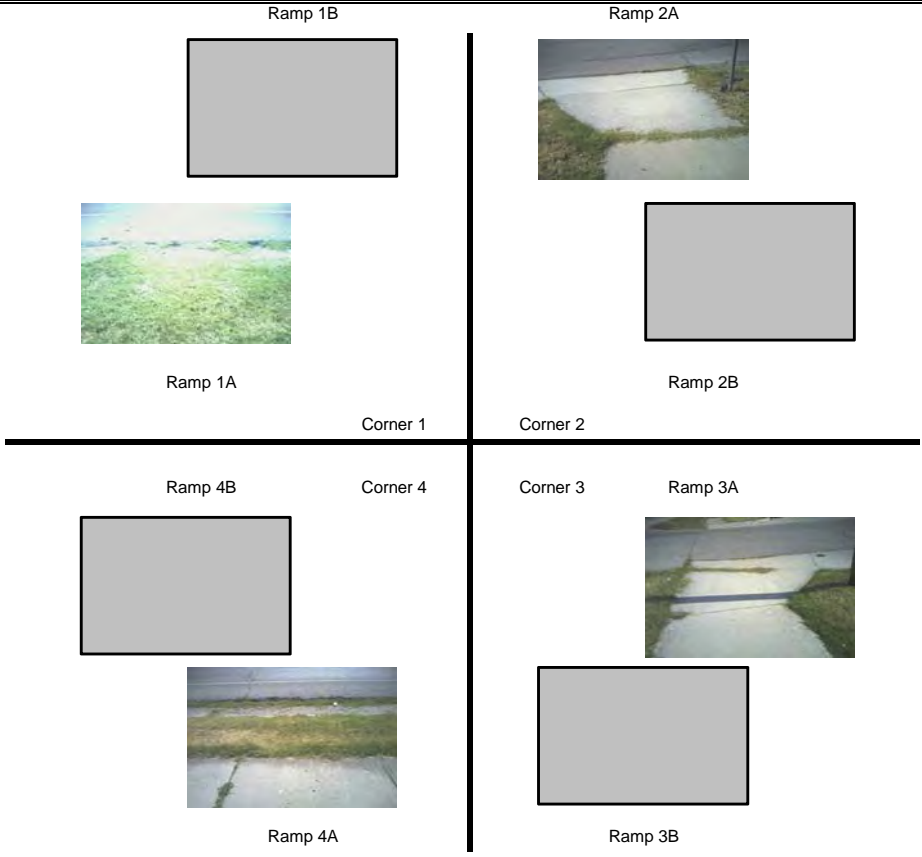
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed			X						Remove and replace ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Install landing area
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:			H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at N Cincinnati Ave (south of E 56th St N)

GPS ID: 31044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,606.40
Engineering: (% +/-)	15%	\$ 1,454.40
Contingency: (% +/-)	20%	\$ 1,939.20
Estimated Project Cost:	\$	11,000.00

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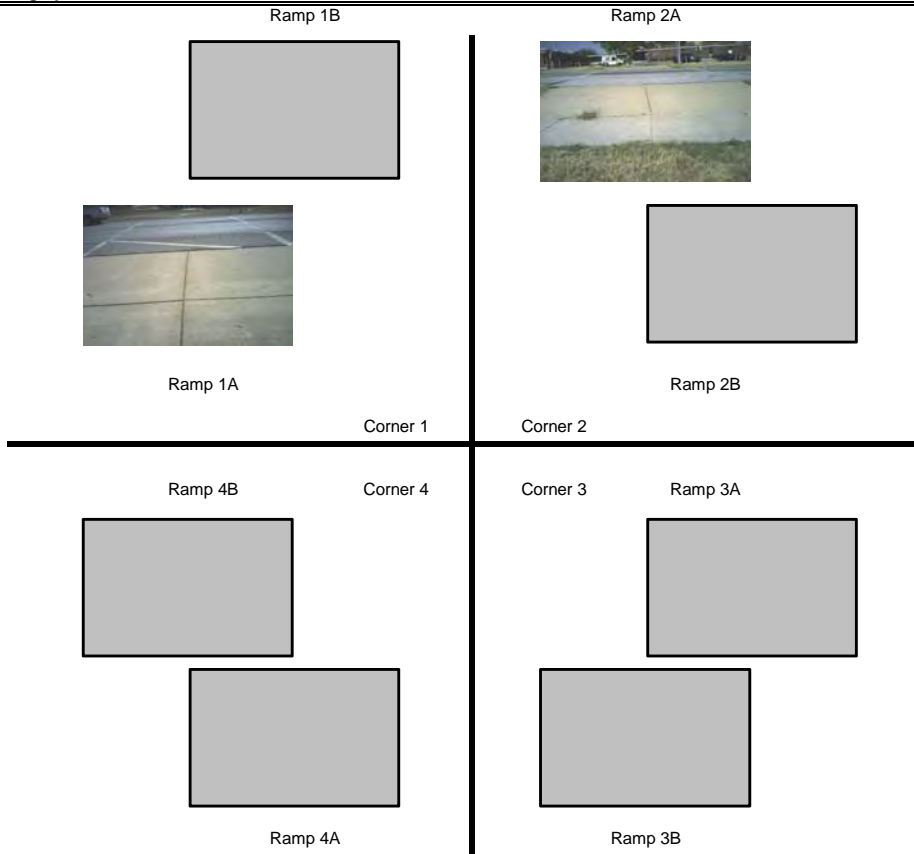
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 56th St N and N Cincinnati Ave

GPS ID: 31045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,595.20
Engineering: (% +/-)	15%	\$ 3,173.49
Contingency: (% +/-)	20%	\$ 4,231.31
Estimated Project Cost:	\$	28,000.00

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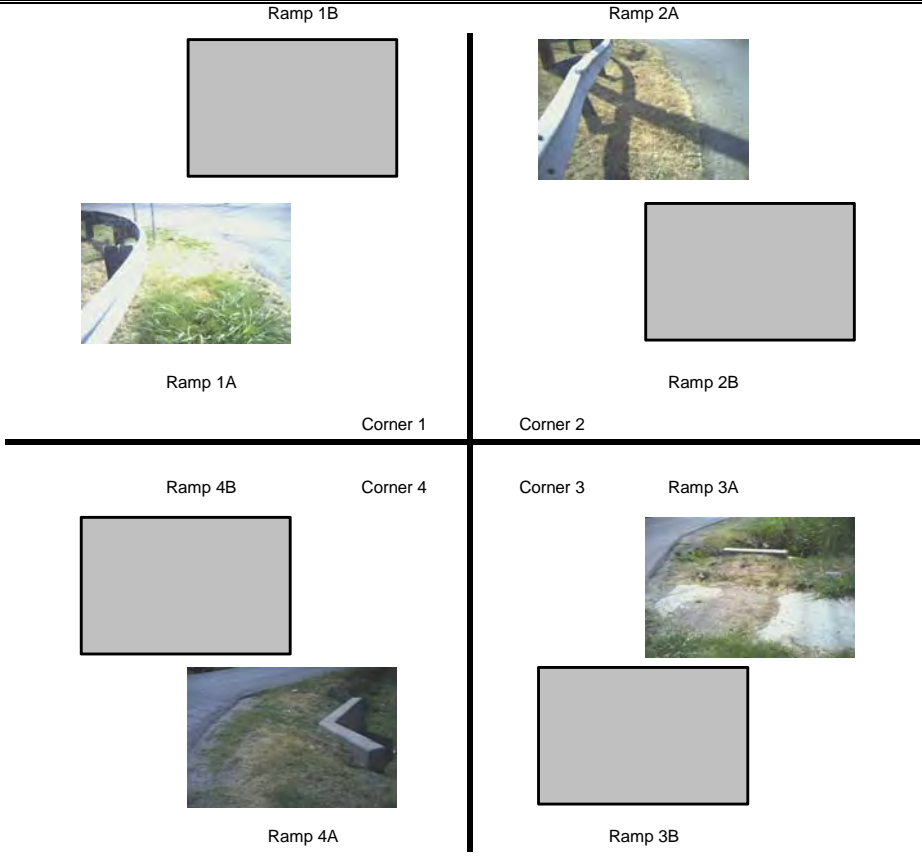
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Frisco Ave and W Edison St

GPS ID: 32000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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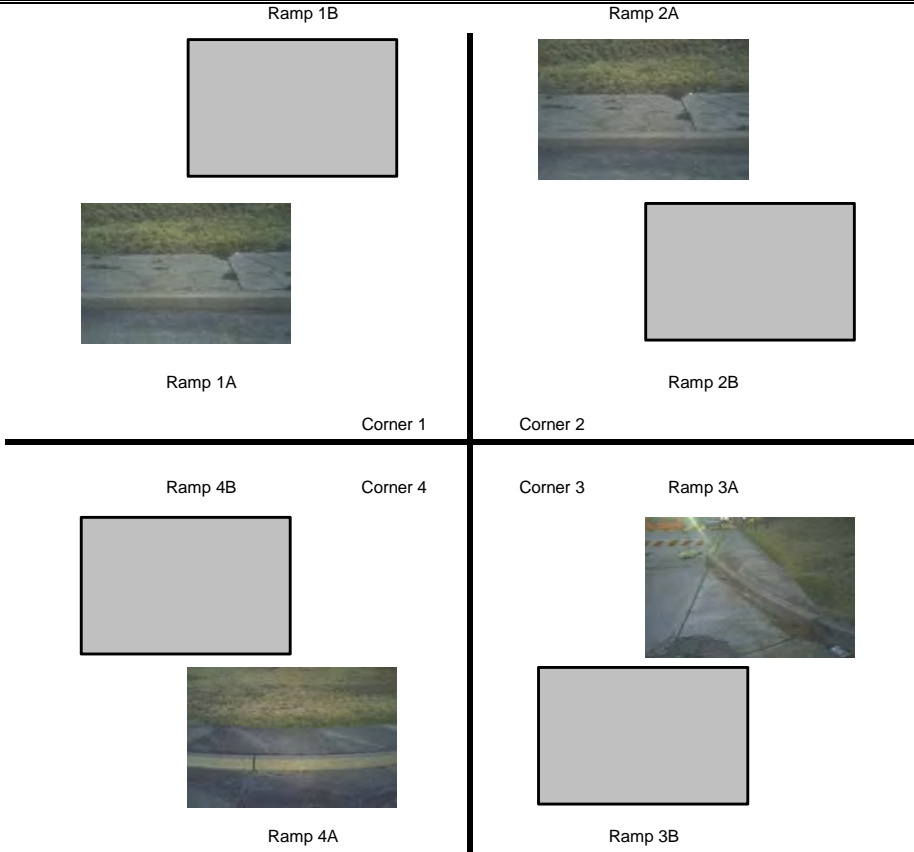
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	10,297.60
<input checked="" type="checkbox"/>	No Design			Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/>	Preliminary Design			Contingency: (% +/-)	20% \$ 2,115.66
<input type="checkbox"/>	Final Design			Estimated Project Cost: \$	14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	240	LF	\$ 6.50	\$ 1,560.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$ 28,076.00
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-) 15% \$ 4,253.14
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-) 20% \$ 5,670.86
<input type="checkbox"/> Final Design				Estimated Project Cost: \$ 38,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	-	
Crosswalk striping	Worn	N/A	No	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X						
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%	X	X	X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	13,364.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 2,415.13
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 3,220.17
	Estimated Project Cost:	\$	19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry								X	Remove ramp
Ramp Priority:	-	-	-	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,735.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,827.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,437.03
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X		X			Install colored truncated domes
No color contrast at base of ramp				X		X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost: \$	11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp						X	X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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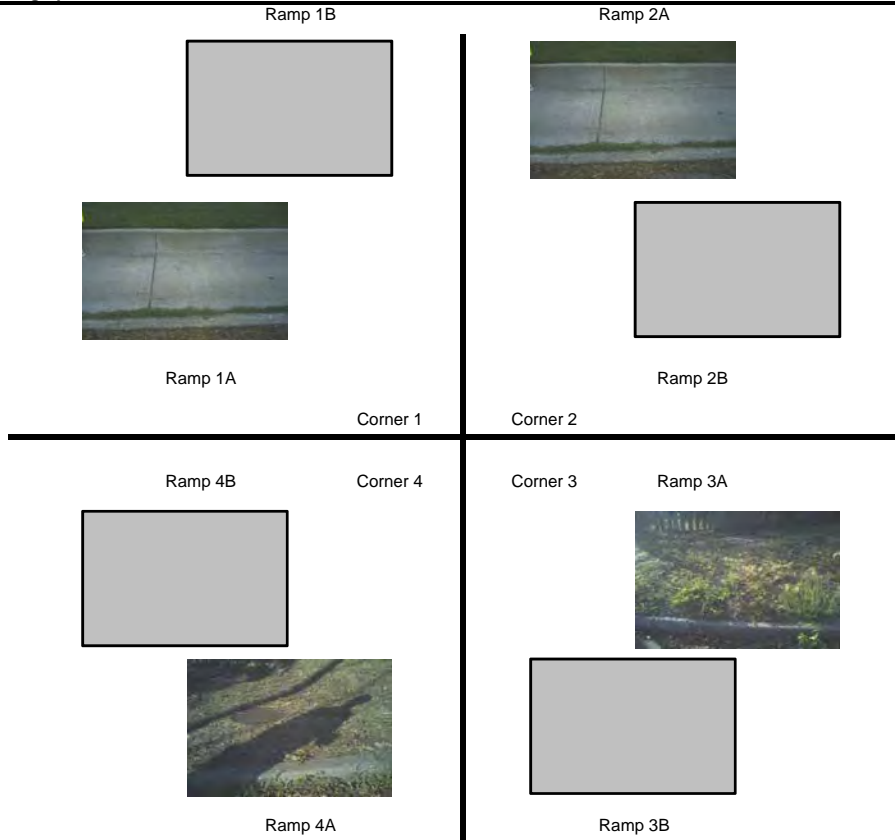
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	12,191.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,060.83
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,747.77
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	260	LF	\$ 6.50	\$ 1,690.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	16,074.00
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 2,539.71
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 3,386.29
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	Worn	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	4,208.80
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 767.66
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,023.54
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	6,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed				X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	M					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



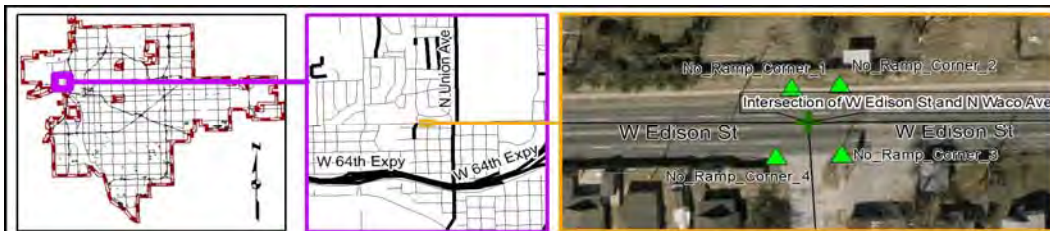
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	5,297.60
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		-		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 18,359.00
<input checked="" type="checkbox"/>	No Design			Engineering: (% +/-)	15% \$ 2,846.14
<input type="checkbox"/>	Preliminary Design			Contingency: (% +/-)	20% \$ 3,794.86
<input type="checkbox"/>	Final Design			Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed				X		X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	5,297.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	8,000.00

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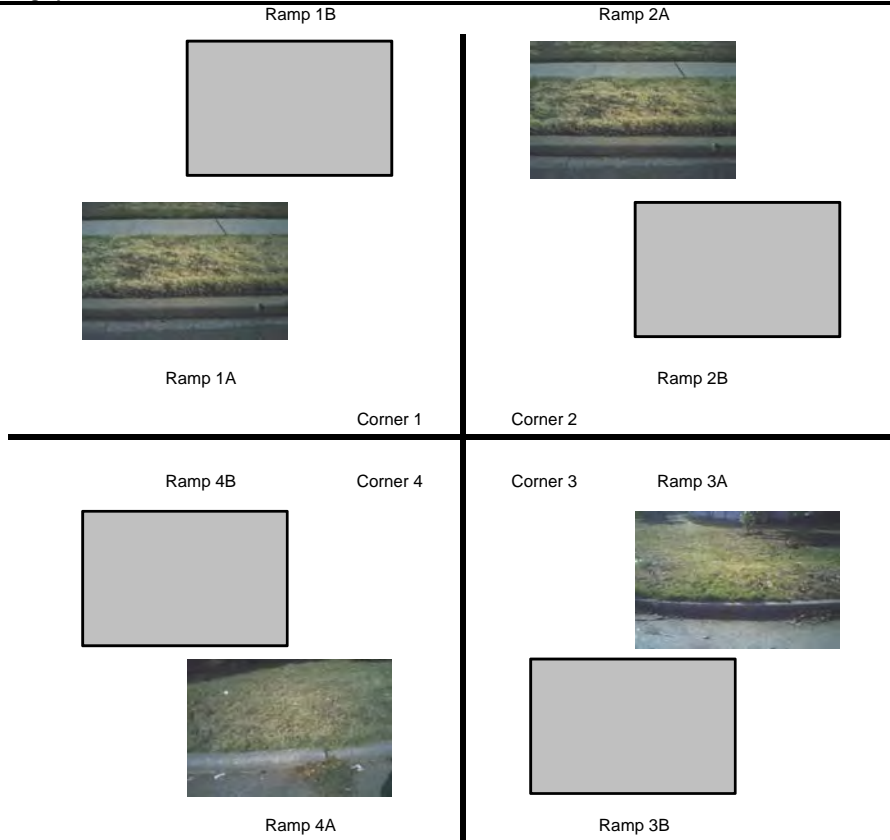
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	11,809.20
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 1,796.06
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 2,394.74
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



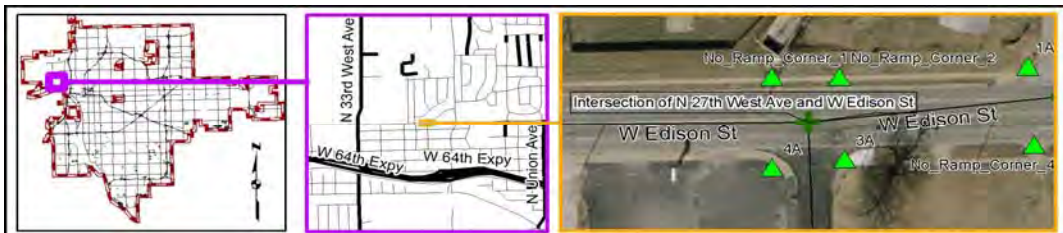
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	8,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,642.06
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	18,684.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	3,135.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	4,180.23
	Estimated Project Cost:	\$	26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,822.06
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,822.06
	Estimated Project Cost:	\$ 18,000.00

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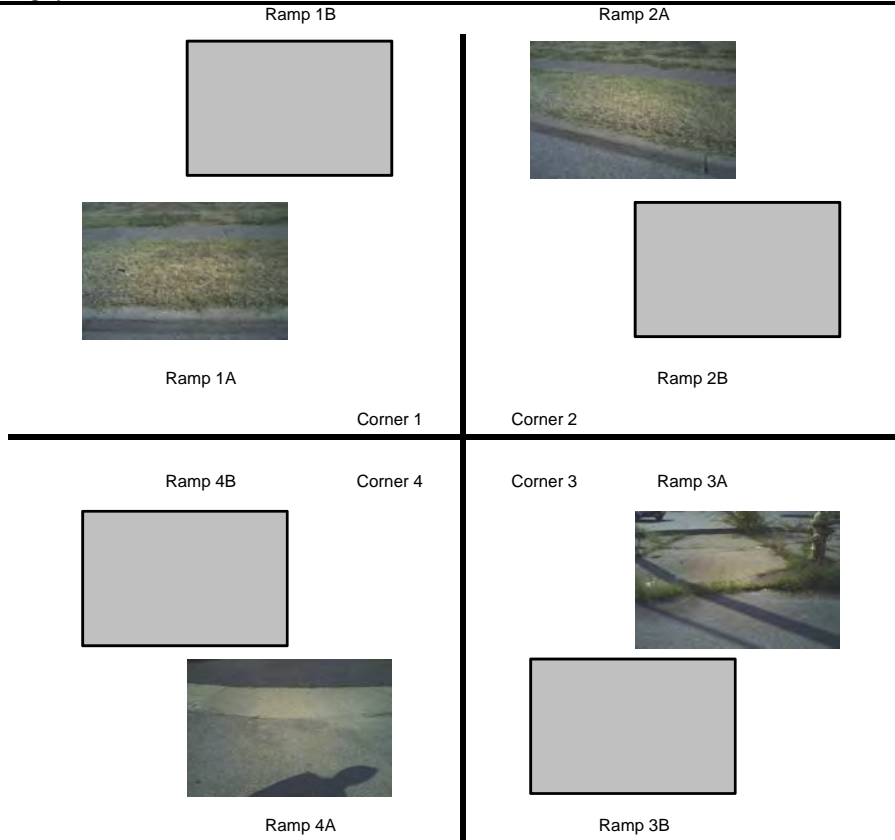
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,822.06
	Estimated Project Cost:	\$ 18,000.00

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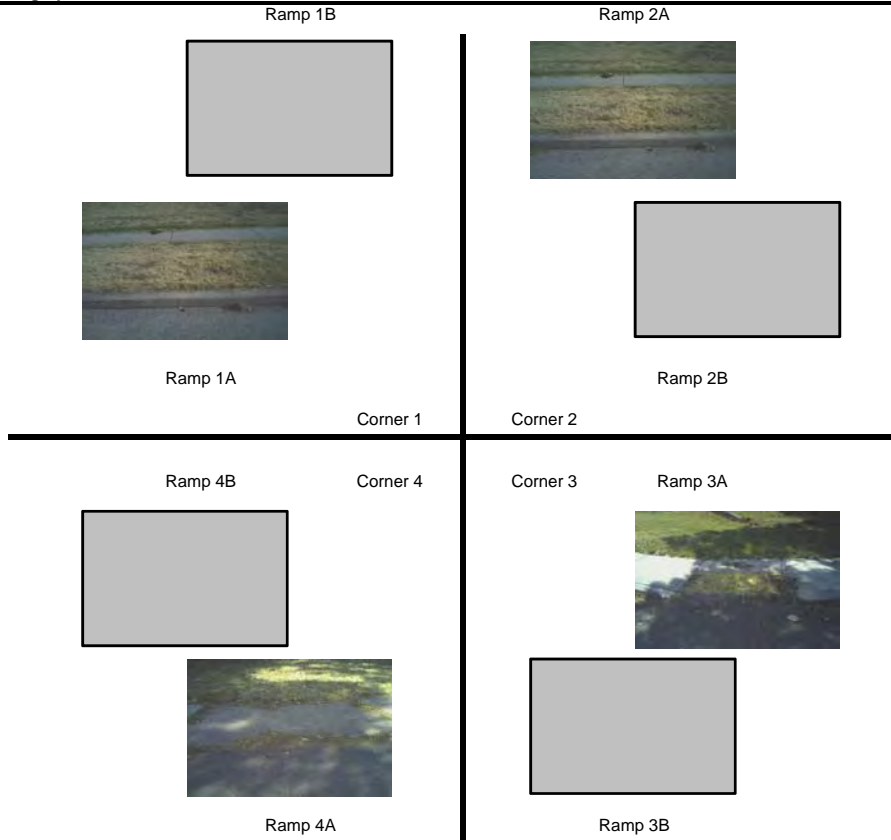
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X	X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	M				H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 19,903.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,041.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,055.20
	Estimated Project Cost:	\$ 27,000.00

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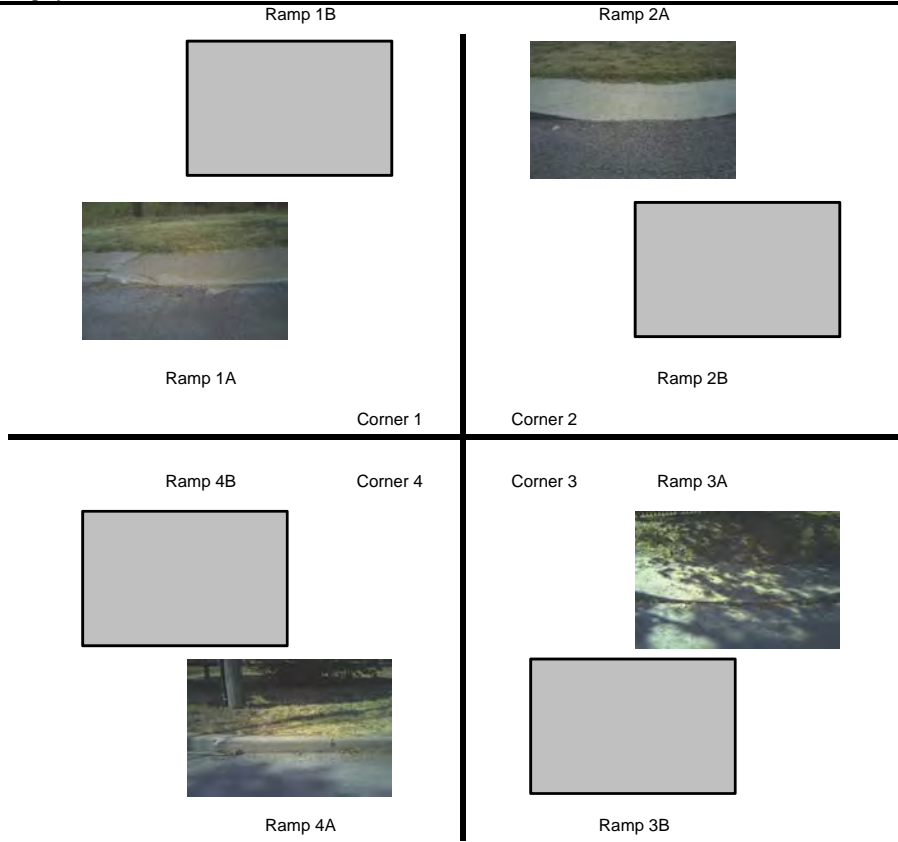
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X				X				Regrade roadway
Ponding occurs at base of ramp	X		X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	5,459.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,088.66
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,451.54
	Estimated Project Cost: \$	8,000.00

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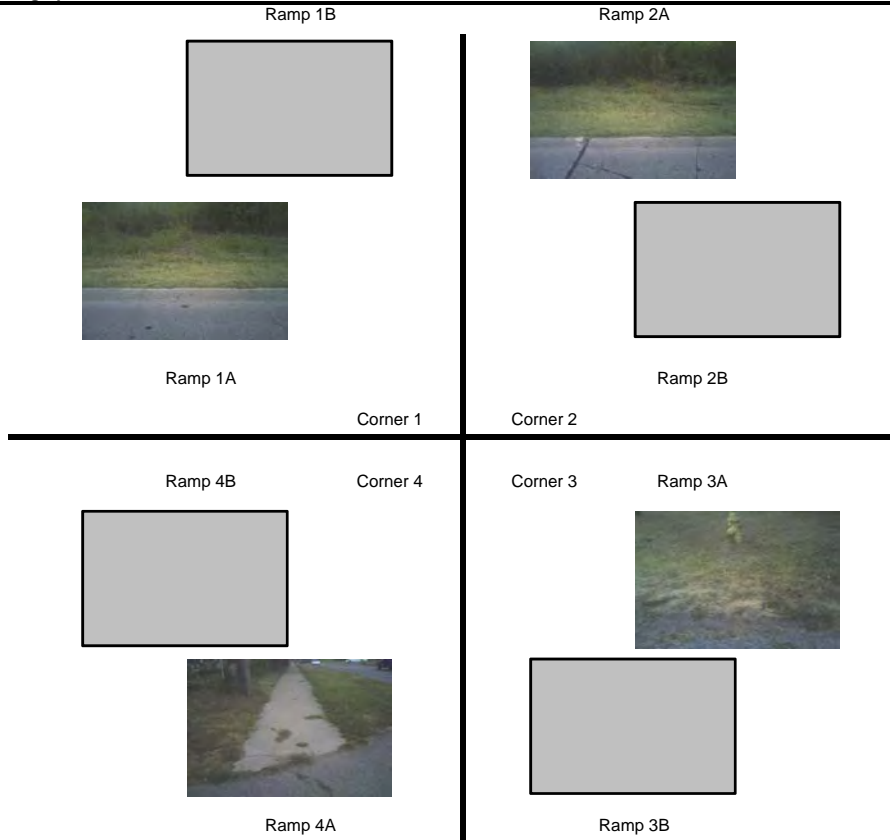
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed				X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	M				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	30	SF	\$ 30.00	\$ 900.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,808.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,796.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,394.97
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X					Install colored truncated domes
No color contrast at base of ramp	X		X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X	X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

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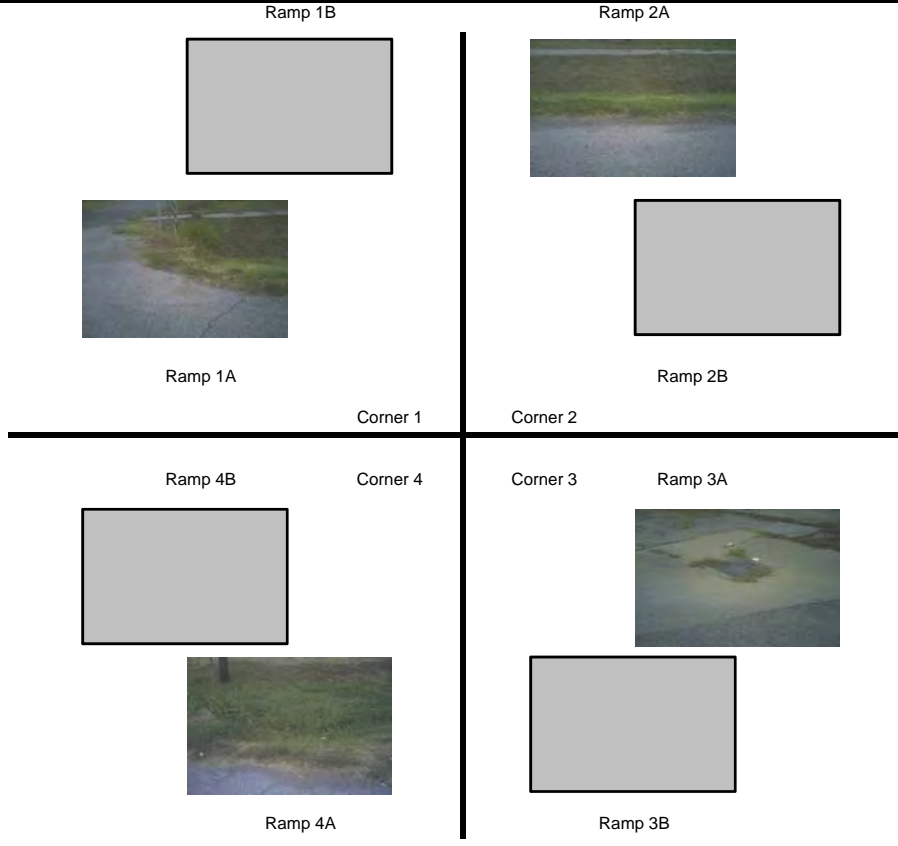
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H			H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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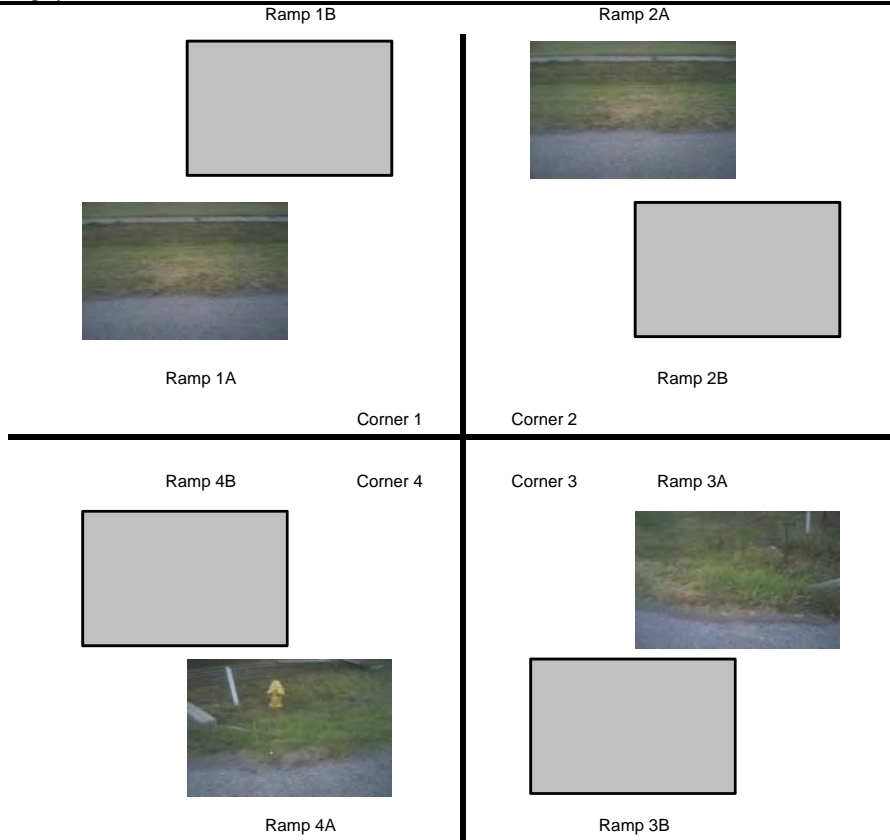
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H			H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$ 5,297.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 8,000.00

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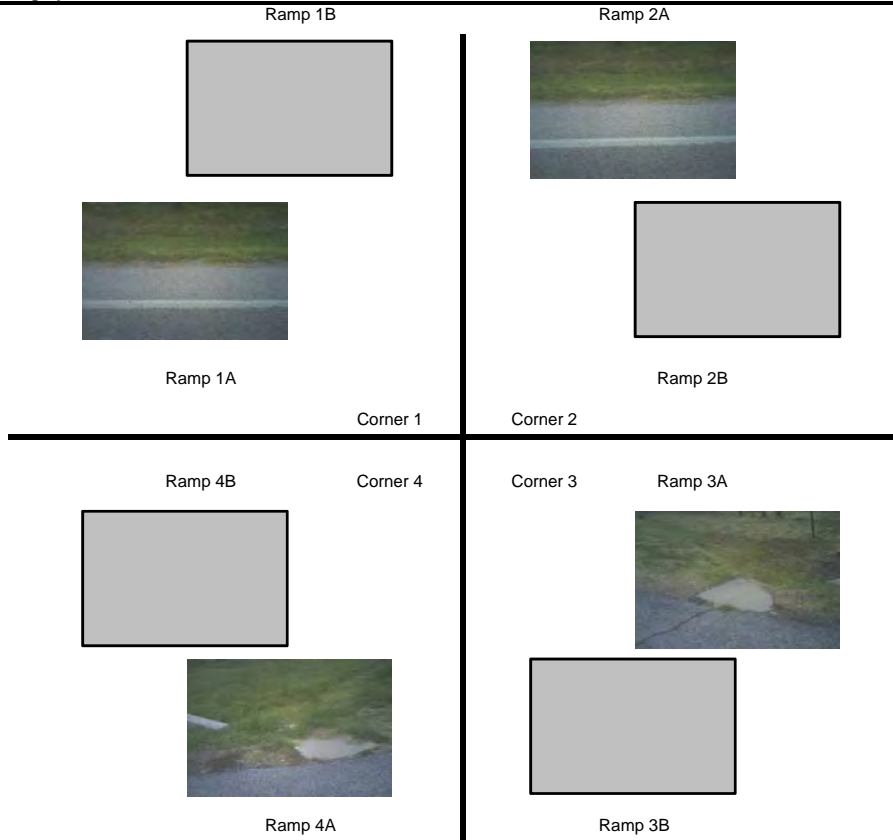
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H	H	H	H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	5,297.60
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-) 15%	\$ 1,158.17
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-) 20%	\$ 1,544.23
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	8,000.00

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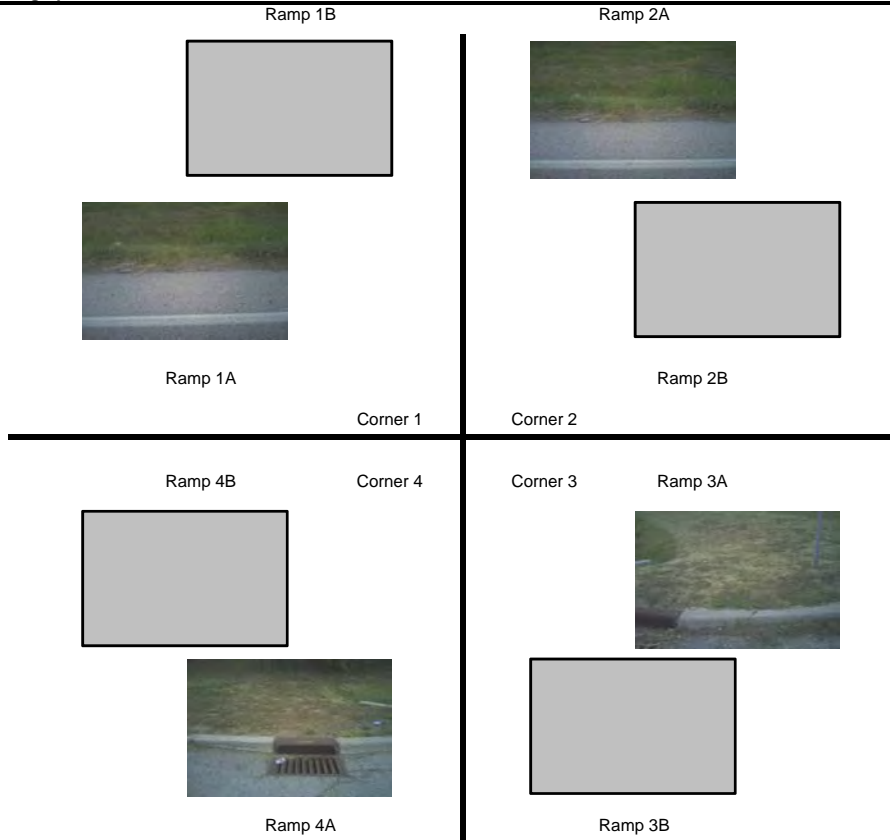
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-			H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 8/3/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 60th PI

GPS ID: 33000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$	2,088.69
Contingency: (% +/-)	20%	\$	2,784.91
Estimated Project Cost:		\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 8/3/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 60th St

GPS ID: 33001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

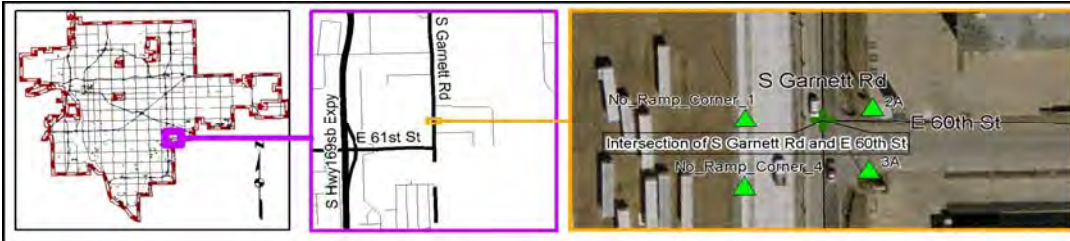
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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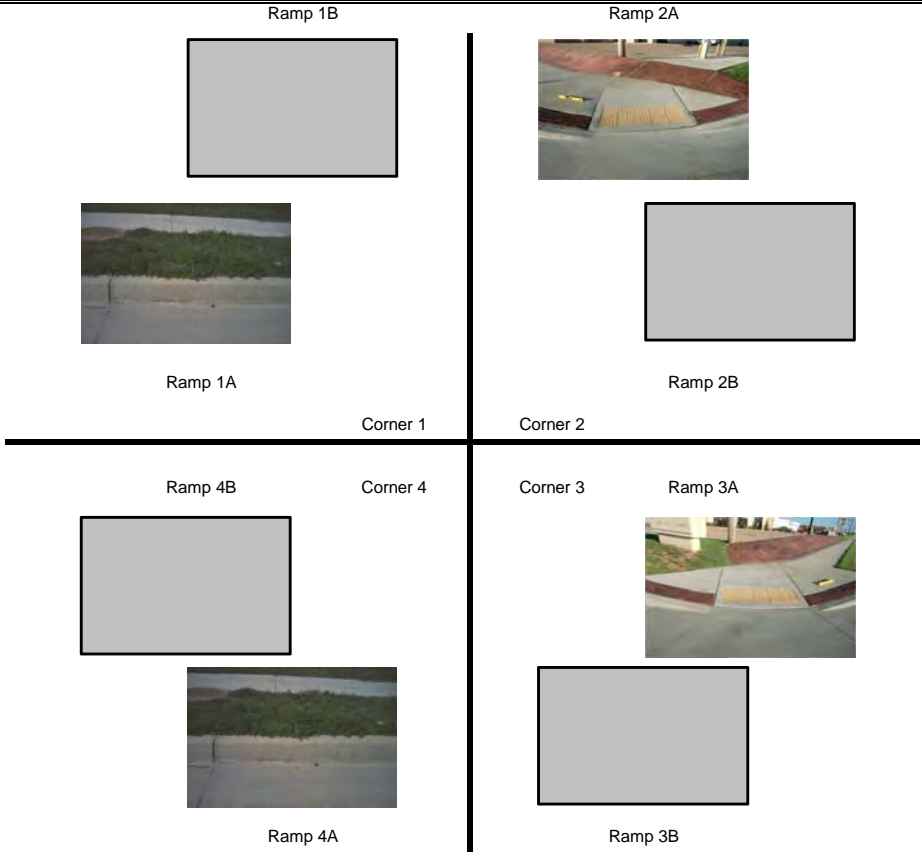
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 8/3/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 58th St

GPS ID: 33002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,574.20
Engineering: (% +/-)	15%	\$ 1,468.20
Contingency: (% +/-)	20%	\$ 1,957.60
Estimated Project Cost:	\$	13,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M	M					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 8/3/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and S 110th East Ave

GPS ID: 33003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 8/3/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 51st PI

GPS ID: 33004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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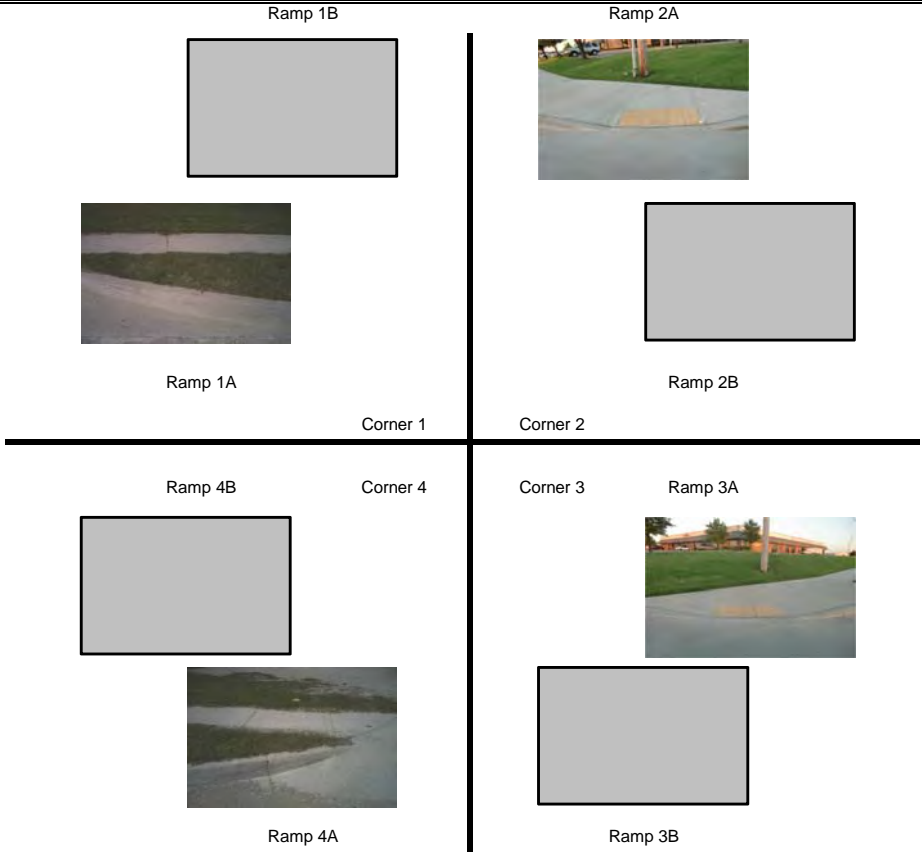
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	6,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,259.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,679.20
	Estimated Project Cost: \$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,321.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,147.97
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,530.63
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost: \$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,862.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,915.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,221.26
	Estimated Project Cost:	\$ 33,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X				X				Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X				X				Regrade roadway
Ponding occurs at base of ramp	X				X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost: \$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								Install colored truncated domes
No textured surface at base of ramp	X						X		
No color contrast at base of ramp	X						X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,851.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,469.03
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		-	-			H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,165.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,500.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,334.17
	Estimated Project Cost:	\$ 22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost: \$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

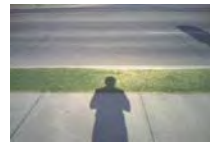
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		L			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,687.97
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,250.63
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost: \$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,122.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,233.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,644.11
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X	X	X	X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp	X	X	X	X	X	X	X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	15,130.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,515.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,353.94
	Estimated Project Cost: \$	21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	20,057.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,403.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,538.40
	Estimated Project Cost: \$	28,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repace roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X		X				X		Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X		X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	25,812.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,937.37
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,249.83
	Estimated Project Cost: \$	35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk				X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X					Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X						Regrade roadway
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	10,712.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,837.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,450.29
	Estimated Project Cost: \$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk					X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Brady St and N Garnett Rd

GPS ID: 33036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

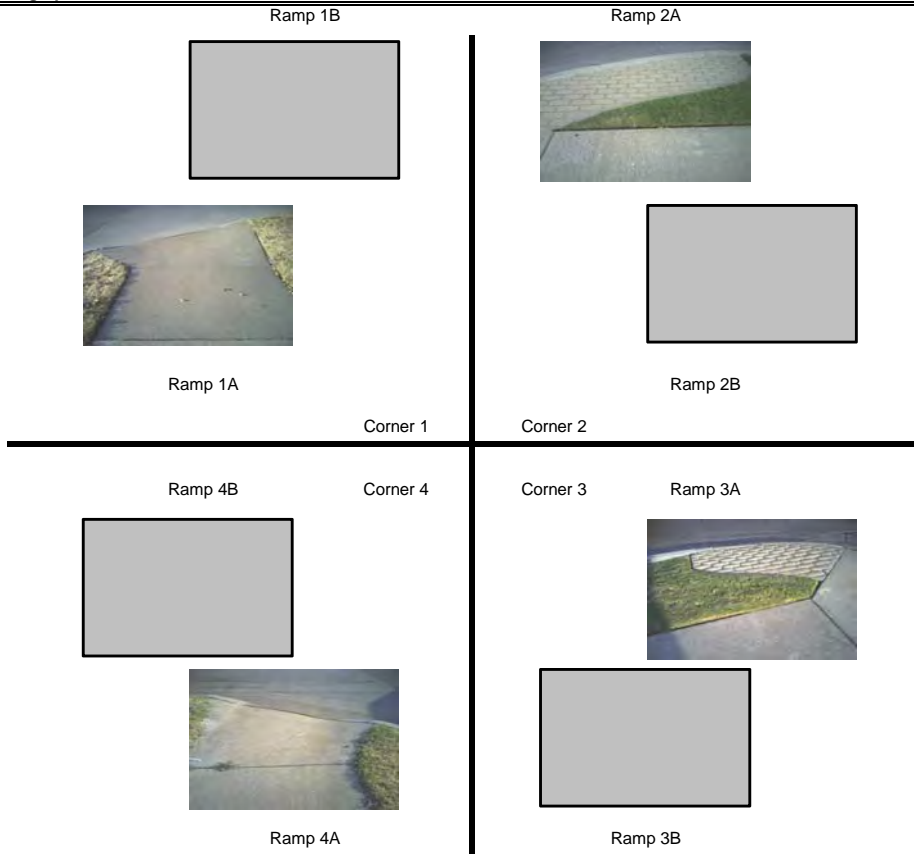
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X						X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%									Install colored truncated domes
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X						X		Install landing area
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Install landing area
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Garnett Rd and I-244 EB Ramp

GPS ID: 33037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	15,000.00

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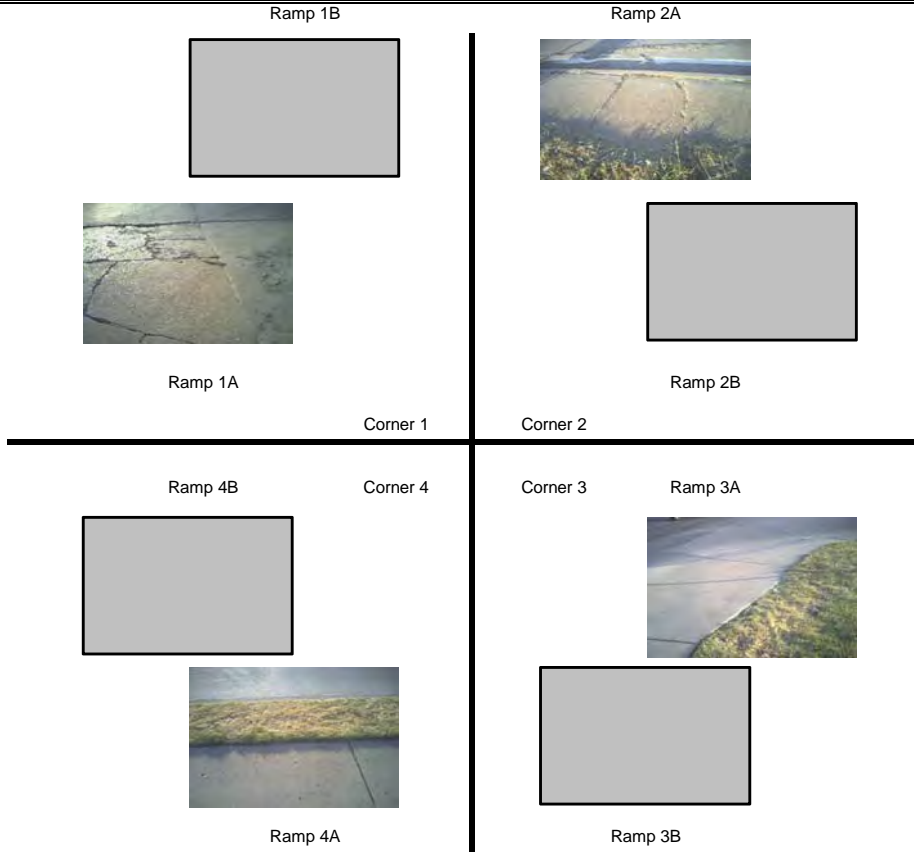
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations	
	1A	1B	2A	2B	3A	4A		4B
Ramp does not land in crosswalk				X				Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X					
Ramp does not exist and is needed				X				Install handicap ramp
Flare cross slope is greater than 10%				X				Remove and replace ramp
Ramp running slope is greater than 8.33%				X				
Ramp cross slope is greater than 2%				X				
Ramp width is less than 36"				X				
Obstruction present in ramp or landing area				X				Install colored truncated domes
No textured surface at base of ramp				X				
No color contrast at base of ramp				X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X				
No pedestrian push buttons								
Pedestrian pushbutton diameter is not 2"								
Pedestrian pushbutton height is greater than 42"								
Pedestrian head offset is greater than 10' from the nearest crosswalk edge								
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								
Ramp transition onto roadway is greater than 0.25"								
Ponding occurs at base of ramp								
Ramp not needed due to existing geometry								
Ramp Priority:	-		H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Garnett Rd and I-244 WB Ramp

GPS ID: 33038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 33rd St and S Garnett Rd

GPS ID: 33045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,517.00
Engineering: (% +/-)	15%	\$ 1,921.29
Contingency: (% +/-)	20%	\$ 2,561.71
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

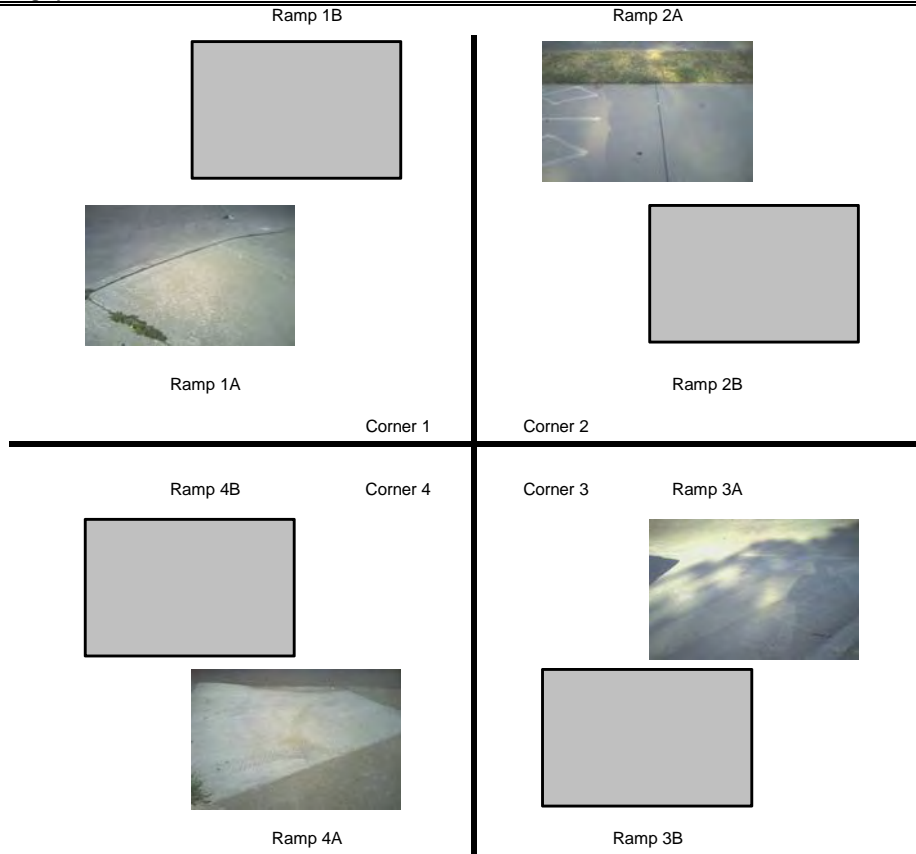
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk							X		
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%							X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		Install landing area
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 32nd St

GPS ID: 33046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

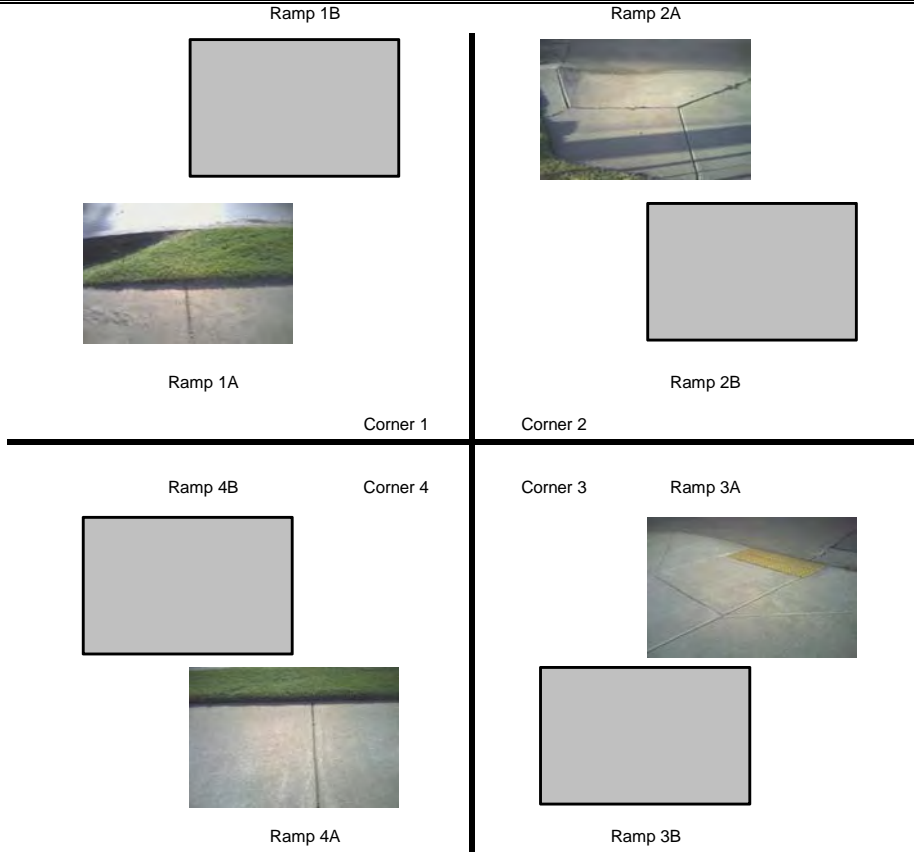
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk			X	X					Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X	X					
Ramp does not exist and is needed			X	X					Remove and replace ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Install colored truncated domes
Ramp width is less than 36"			X	X					
Obstruction present in ramp or landing area			X	X					Install landing area
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 29th St (east)

GPS ID: 33047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,256.40
Engineering: (% +/-)	15%	\$ 2,032.97
Contingency: (% +/-)	20%	\$ 2,710.63
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 29th St (west)

GPS ID: 33048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,176.00
Engineering: (% +/-)	15%	\$ 781.71
Contingency: (% +/-)	20%	\$ 1,042.29
Estimated Project Cost:	\$	5,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

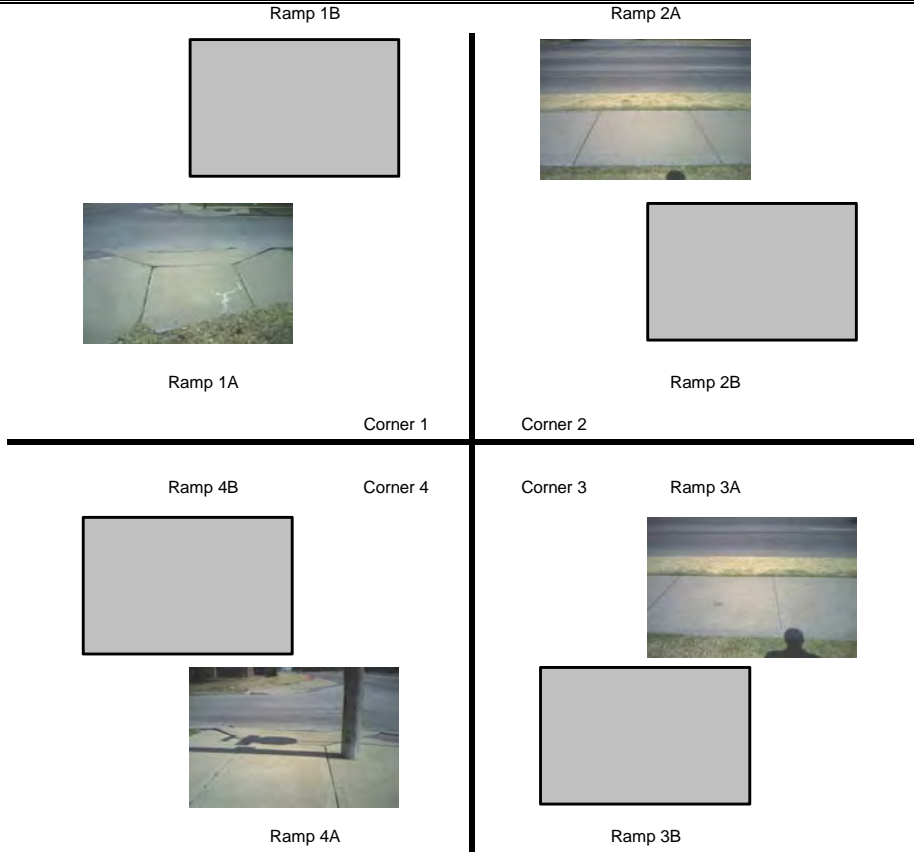
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 28th St and S Garnett Rd

GPS ID: 33049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 66th Pl

GPS ID: 33086

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	520.00
Engineering: (% +/-)	15%	\$ 205.71
Contingency: (% +/-)	20%	\$ 274.29
Estimated Project Cost:	\$	1,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

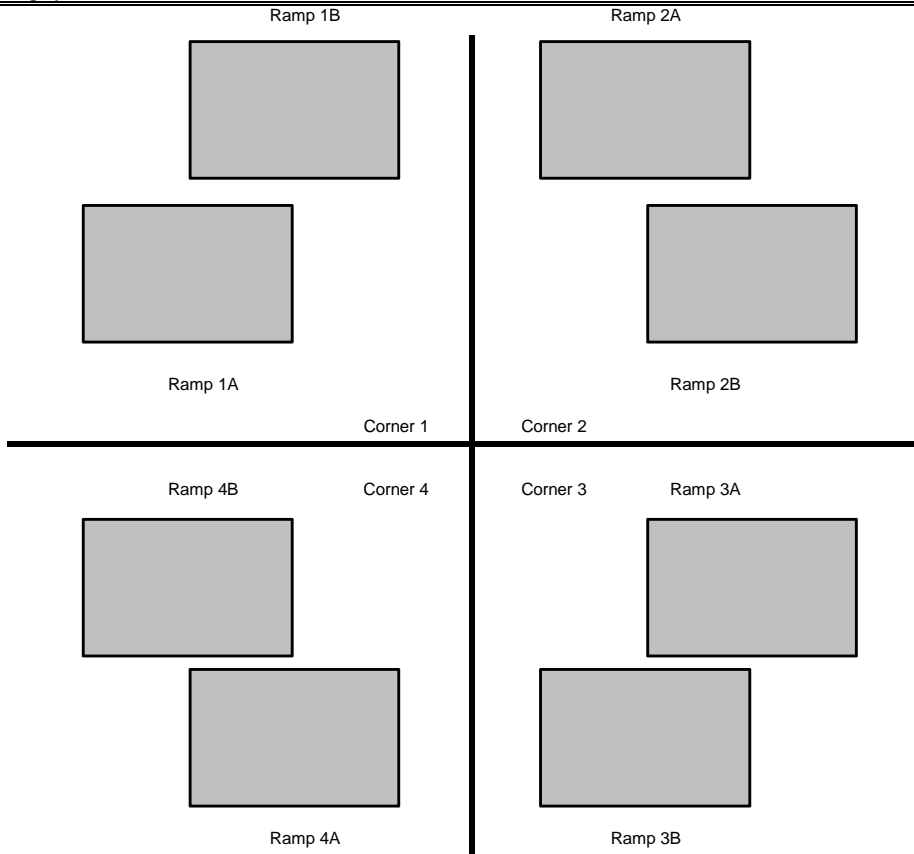
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 67th St GPS ID: 33089

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	10,975.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,725.00
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,300.00
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

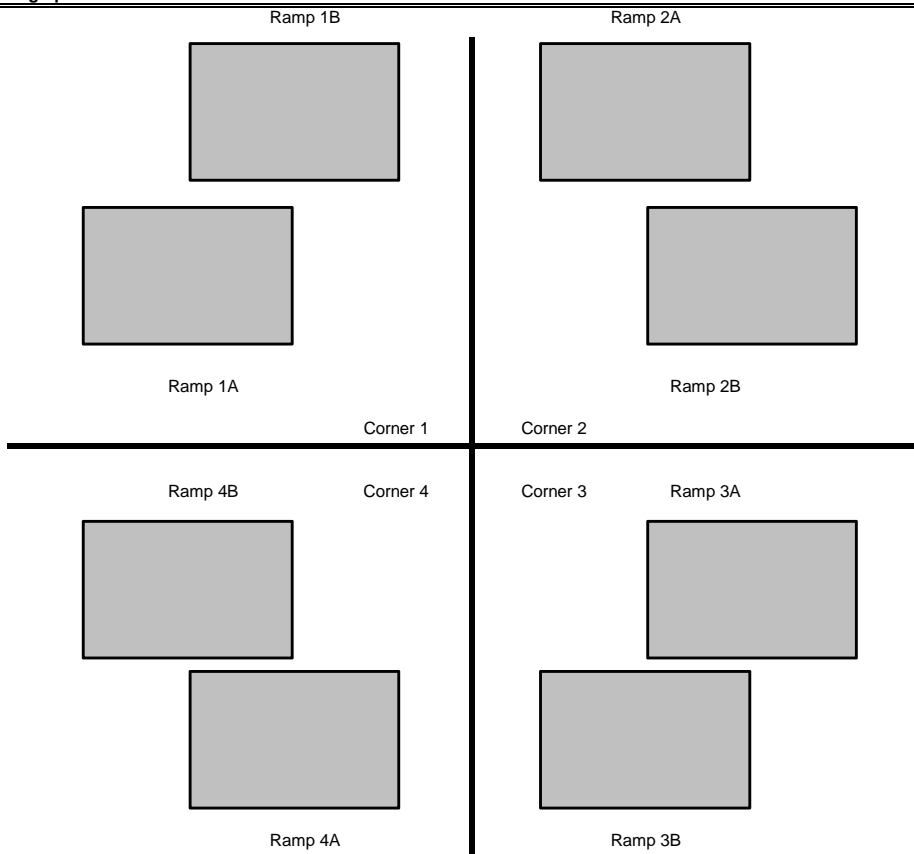
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 90th St

GPS ID: 34000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,015.30
Engineering: (% +/-)	15%	\$ 2,136.30
Contingency: (% +/-)	20%	\$ 2,848.40
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry			X						Remove ramp
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and 150' north of 90th St S

GPS ID: 34001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,929.60
Engineering: (% +/-)	15%	\$ 2,601.60
Contingency: (% +/-)	20%	\$ 3,468.80
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X			X			
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:			H	M	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 88th St

GPS ID: 34002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

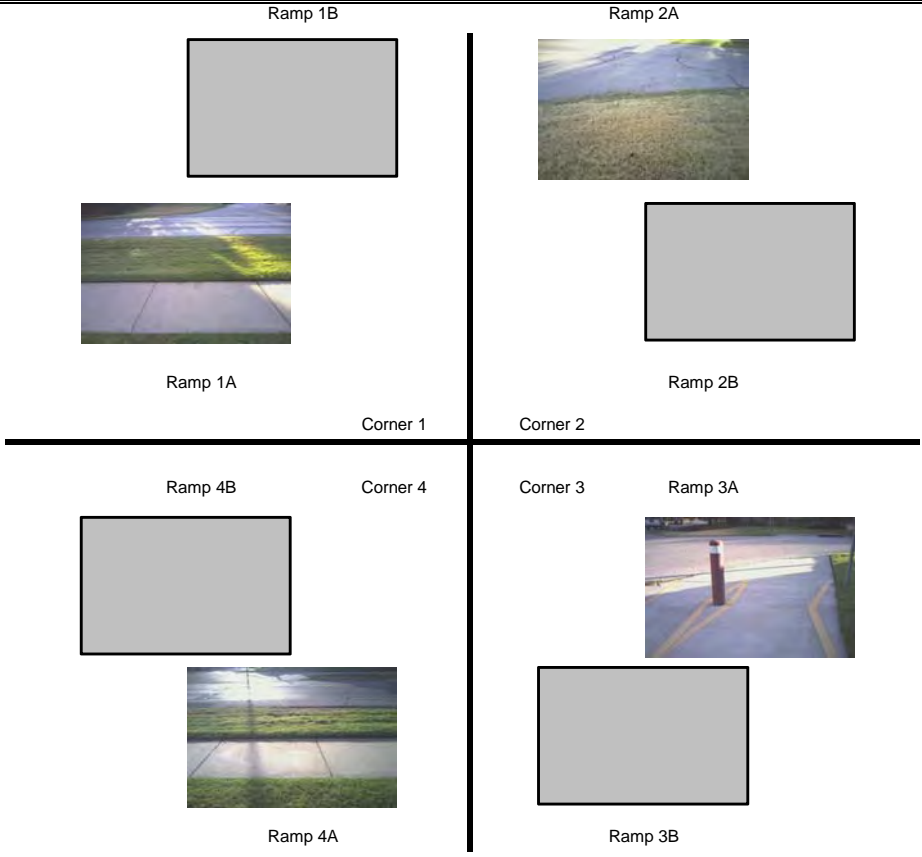
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 87th St

GPS ID: 34003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	15,000.00

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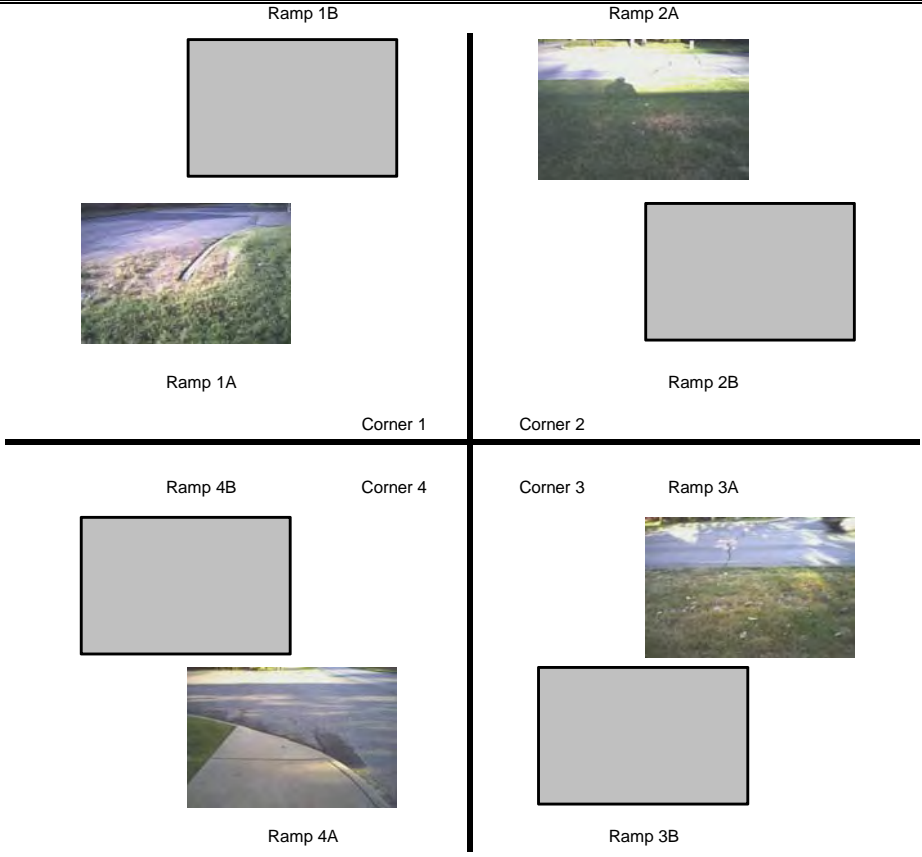
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 70th St

GPS ID: 34004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,712.00
Engineering: (% +/-)	15%	\$ 1,409.14
Contingency: (% +/-)	20%	\$ 1,878.86
Estimated Project Cost:	\$	10,000.00

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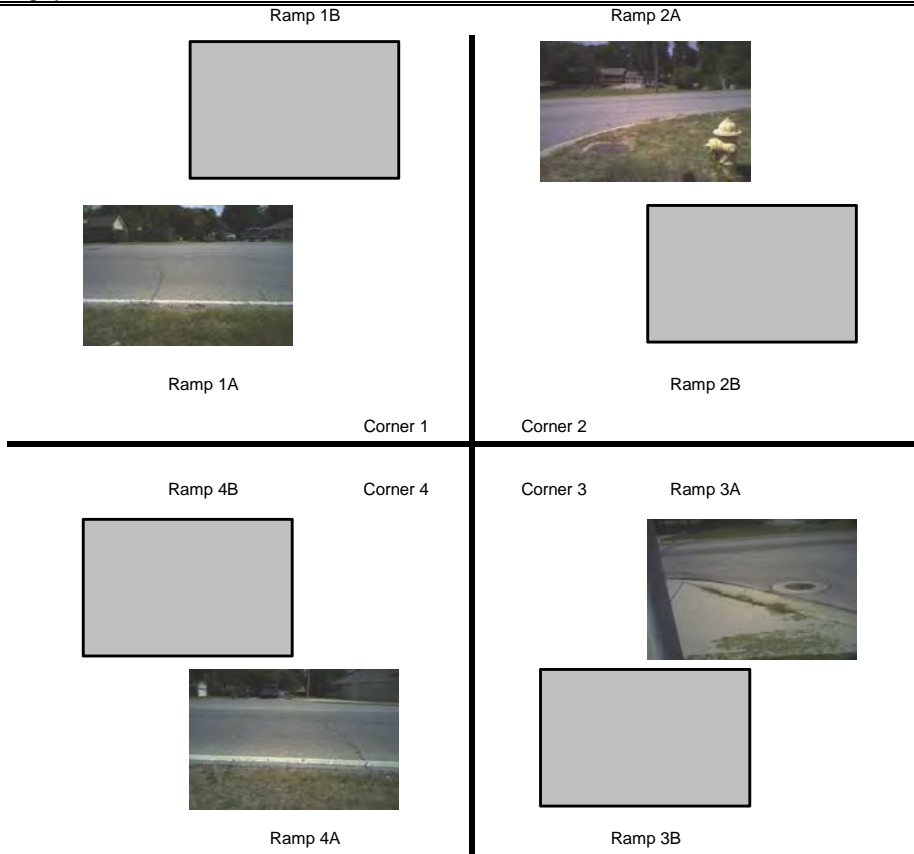
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 56th St

GPS ID: 34005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

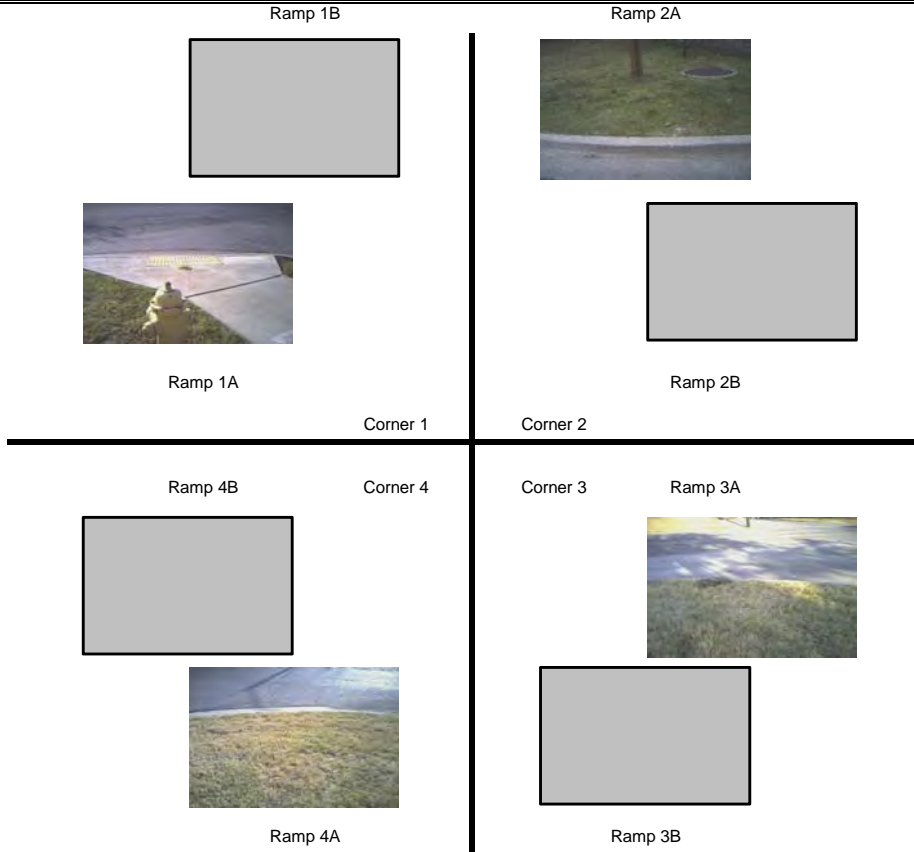
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 49th St and S Harvard Ave

GPS ID: 34006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

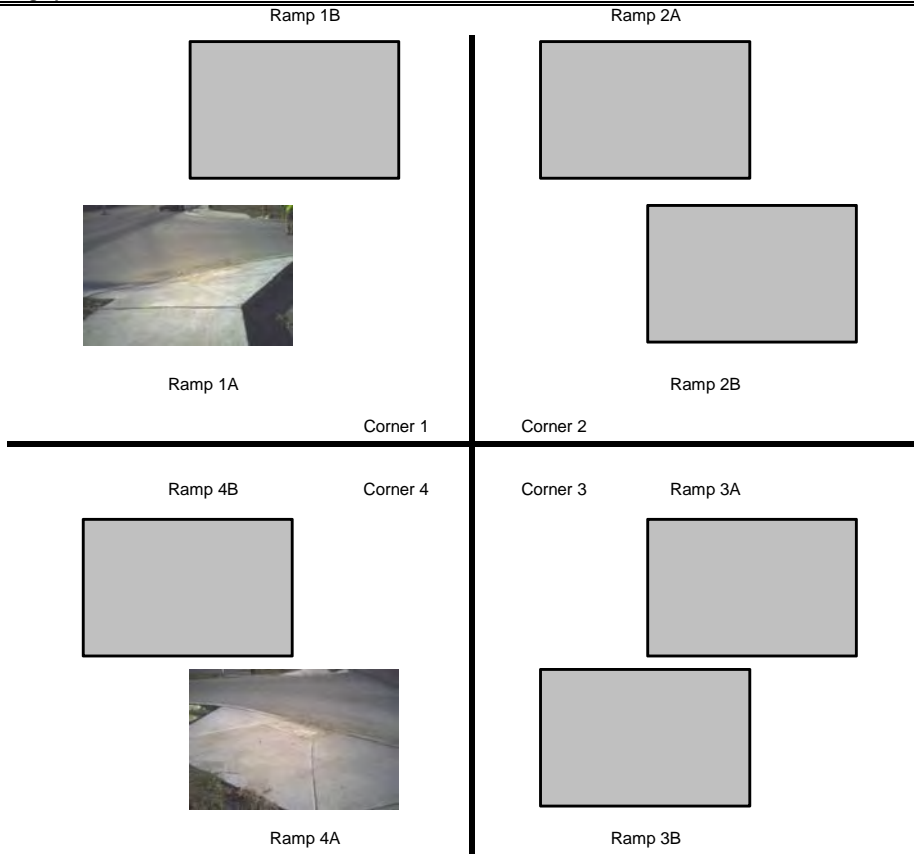
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 55th St (east)

GPS ID: 34007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,429.70
Engineering: (% +/-)	15%	\$ 1,958.70
Contingency: (% +/-)	20%	\$ 2,611.60
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X					Install colored truncated domes
No color contrast at base of ramp				X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry							X		Remove ramp
Ramp Priority:			H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 46th St

GPS ID: 34009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,232.60
Engineering: (% +/-)	15%	\$ 1,614.60
Contingency: (% +/-)	20%	\$ 2,152.80
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 39th St

GPS ID: 34010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

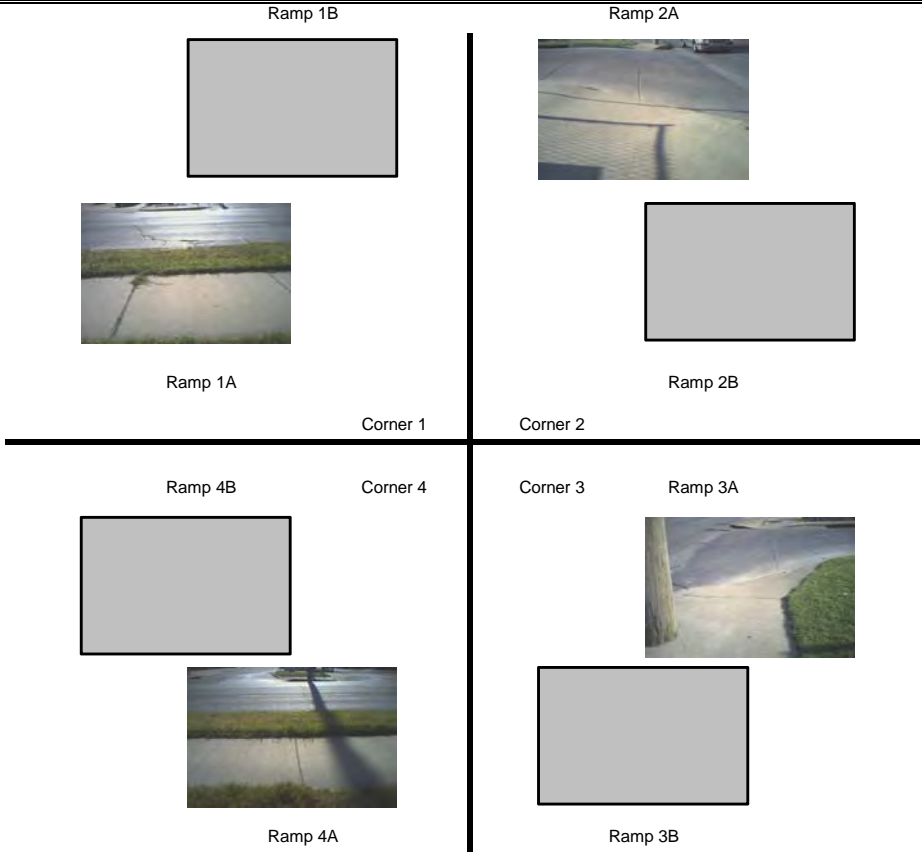
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:			H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 38th St (east)

GPS ID: 34011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Remove and replace ramp
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	-		H	H				-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

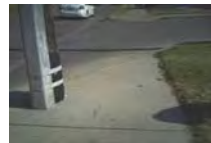
Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 38th St (west)

GPS ID: 34012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

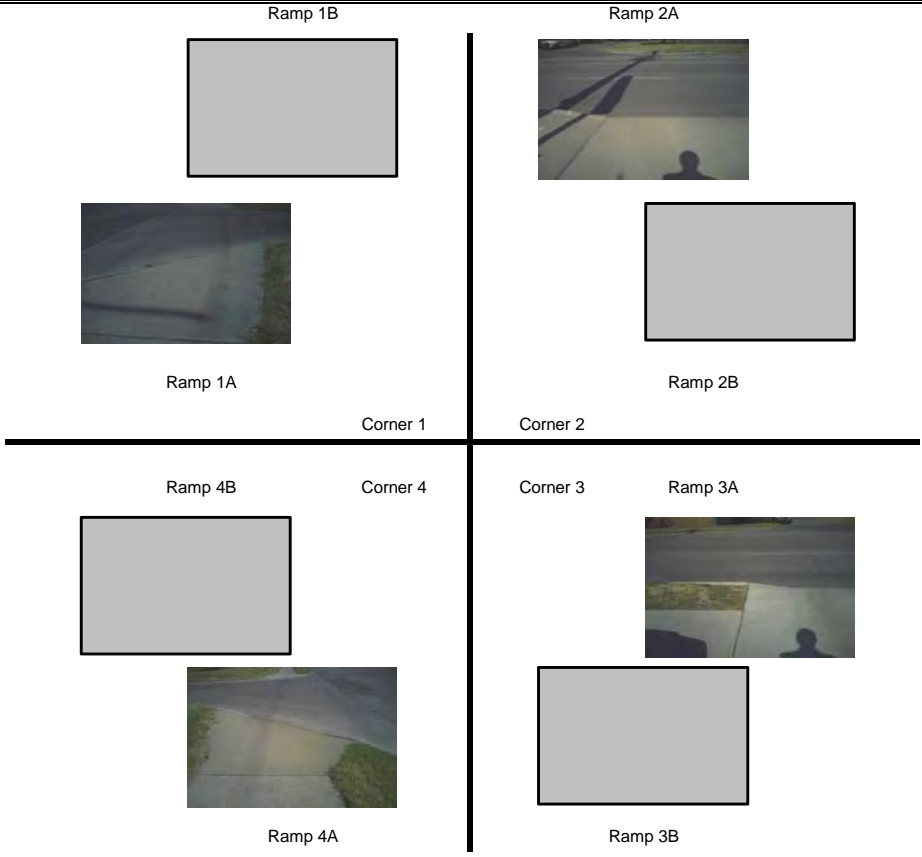
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	
No color contrast at base of ramp	X							X	Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 37th St

GPS ID: 34013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 35th St

GPS ID: 34014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

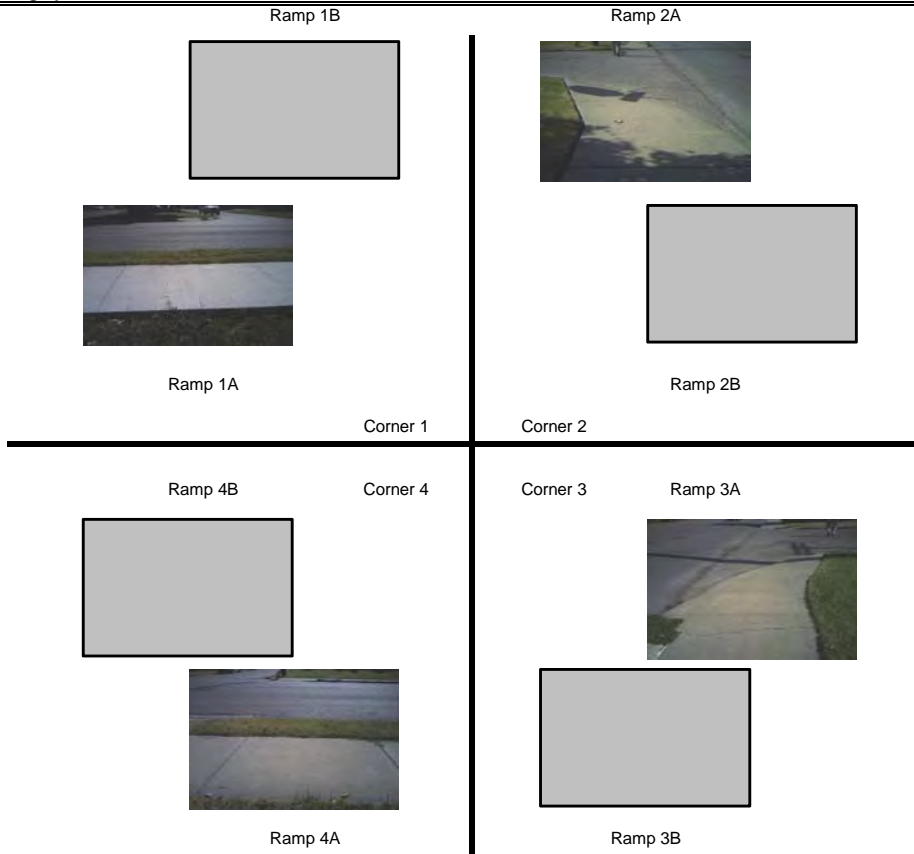
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Install colored truncated domes
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 33rd St (east)

GPS ID: 34015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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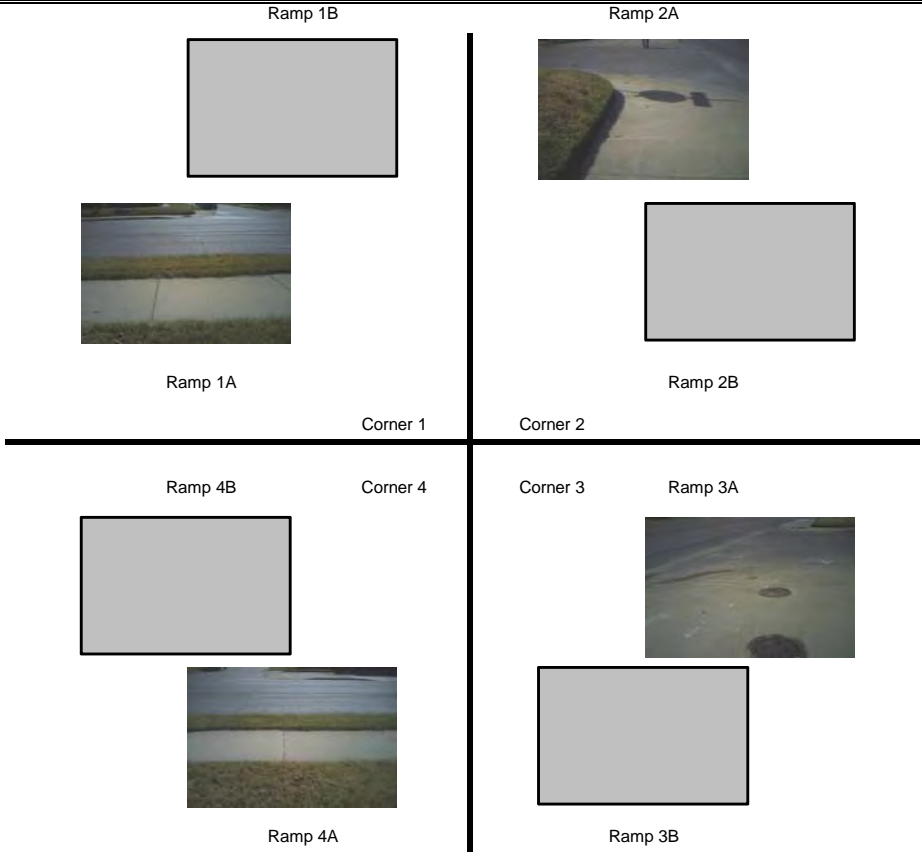
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X					
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 33rd St (west)

GPS ID: 34016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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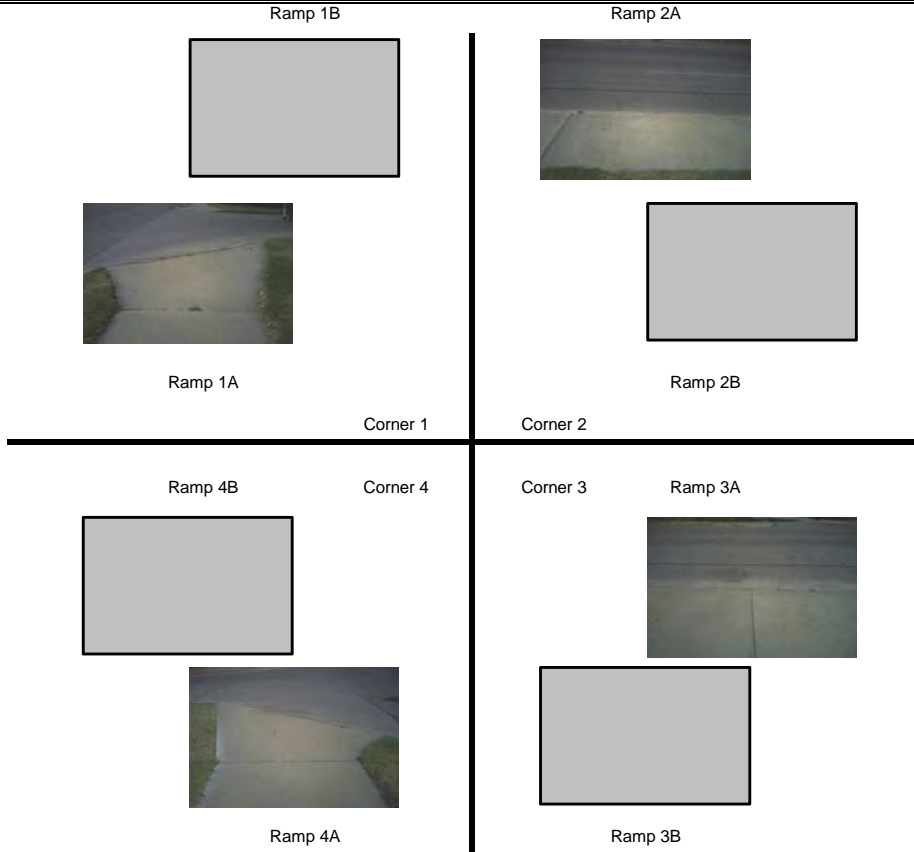
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



End of Project Description for Project 34016 Intersection of S Harvard Ave and E 33rd St (west)

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 32nd PI

GPS ID: 34017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 32nd St

GPS ID: 34018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 30th PI

GPS ID: 34019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

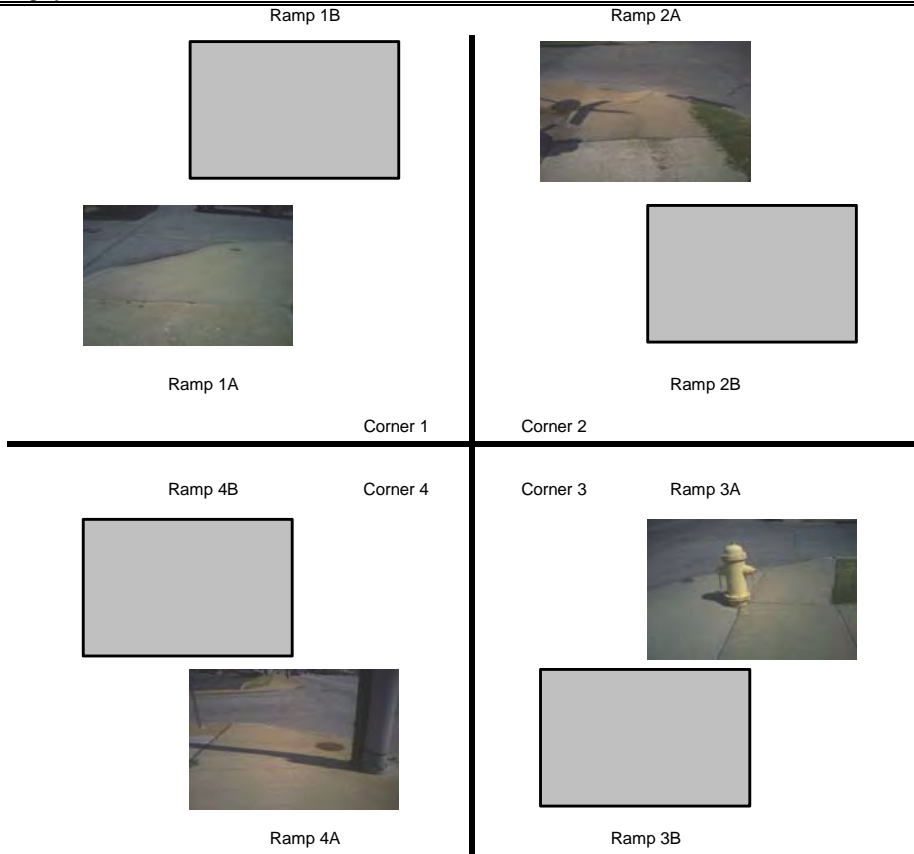
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	2A	2B	3A	3B	4A	4B		
Ramp does not land in crosswalk									Remove and replace ramp	
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X		
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X		
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X		
Ramp width is less than 36"										
Obstruction present in ramp or landing area					X					
No textured surface at base of ramp	X	X	X	X	X	X	X	X		Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area	
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway	
Ponding occurs at base of ramp										
Ramp not needed due to existing geometry										
Ramp Priority:	H	H	H	H	H	H	H	H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 30th St and S Harvard Ave

GPS ID: 34020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

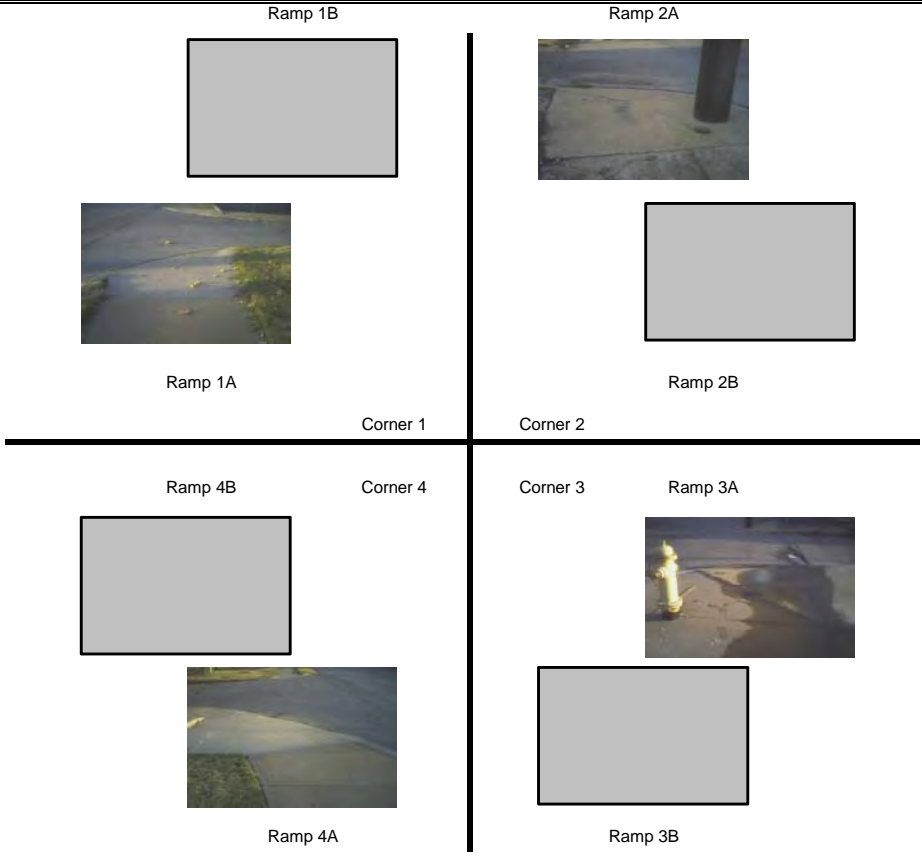
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X	X			
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"					X	X			
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X	X	X	X	X	X			
No color contrast at base of ramp	X	X	X	X	X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X			
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 29th St and S Harvard Ave

GPS ID: 34021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

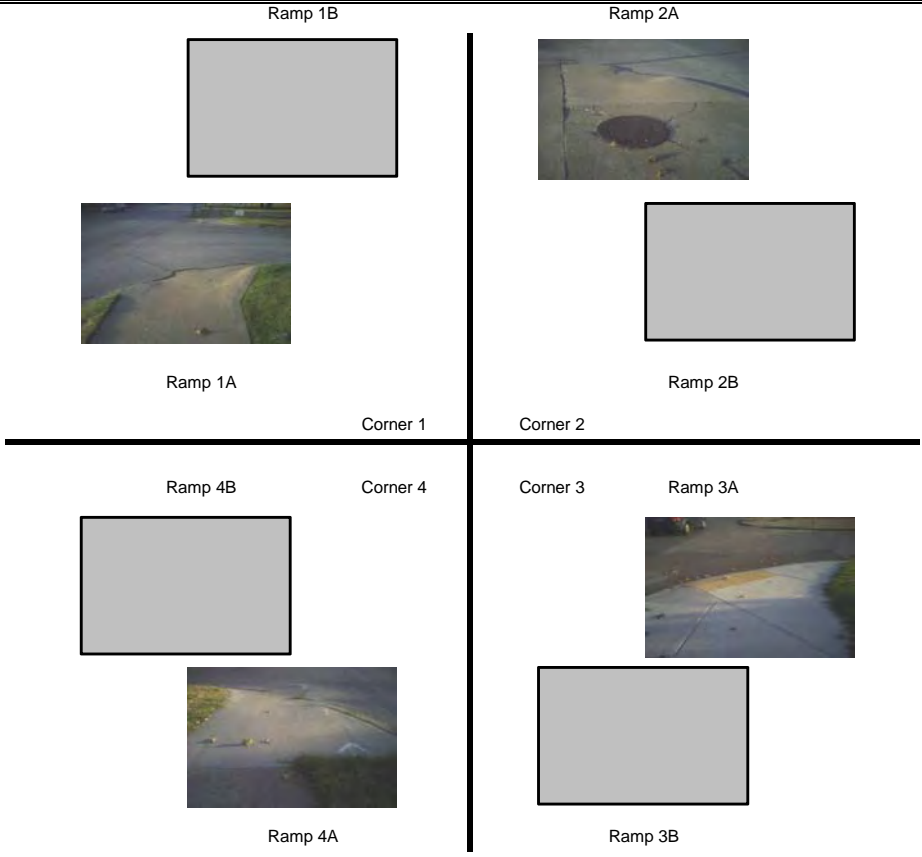
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 28th St and S Harvard Ave

GPS ID: 34022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

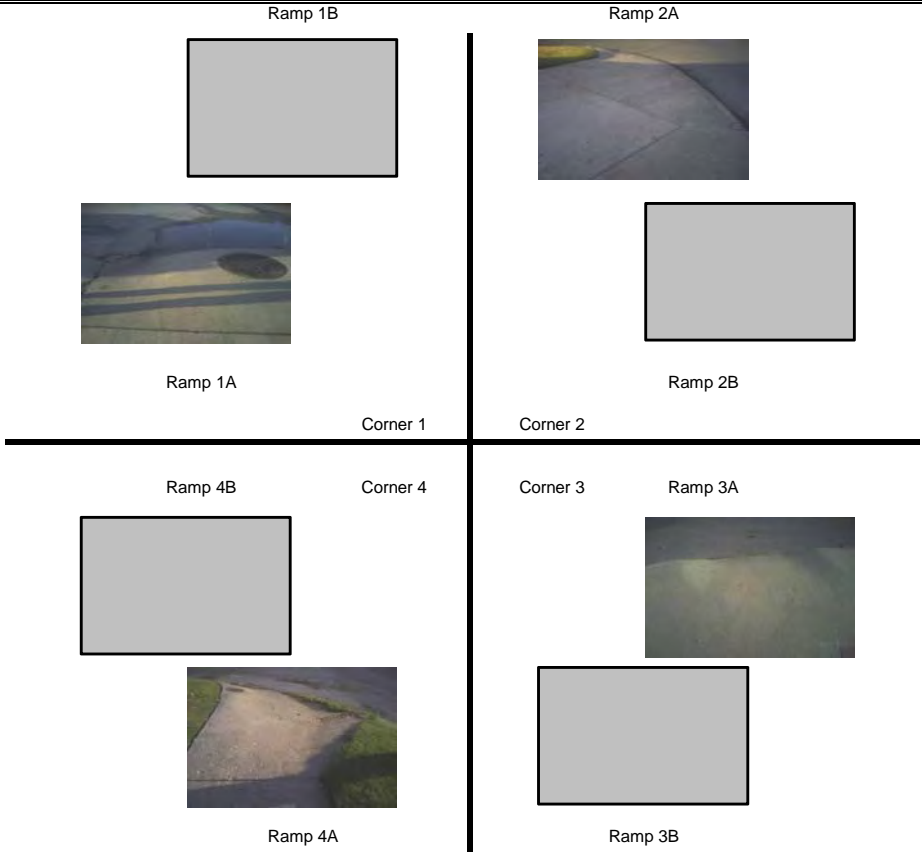
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	
Ramp width is less than 36"	X	X	X	X	X	X	X	X	
Obstruction present in ramp or landing area	X							X	Install colored truncated domes
No textured surface at base of ramp	X	X	X	X	X	X	X	X	
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X						X	
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X							X	
Ponding occurs at base of ramp	X				X			X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 27th Pl and S Harvard Ave

GPS ID: 34023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,229.00
Engineering: (% +/-)	15%	\$ 3,759.00
Contingency: (% +/-)	20%	\$ 5,012.00
Estimated Project Cost:	\$	32,000.00

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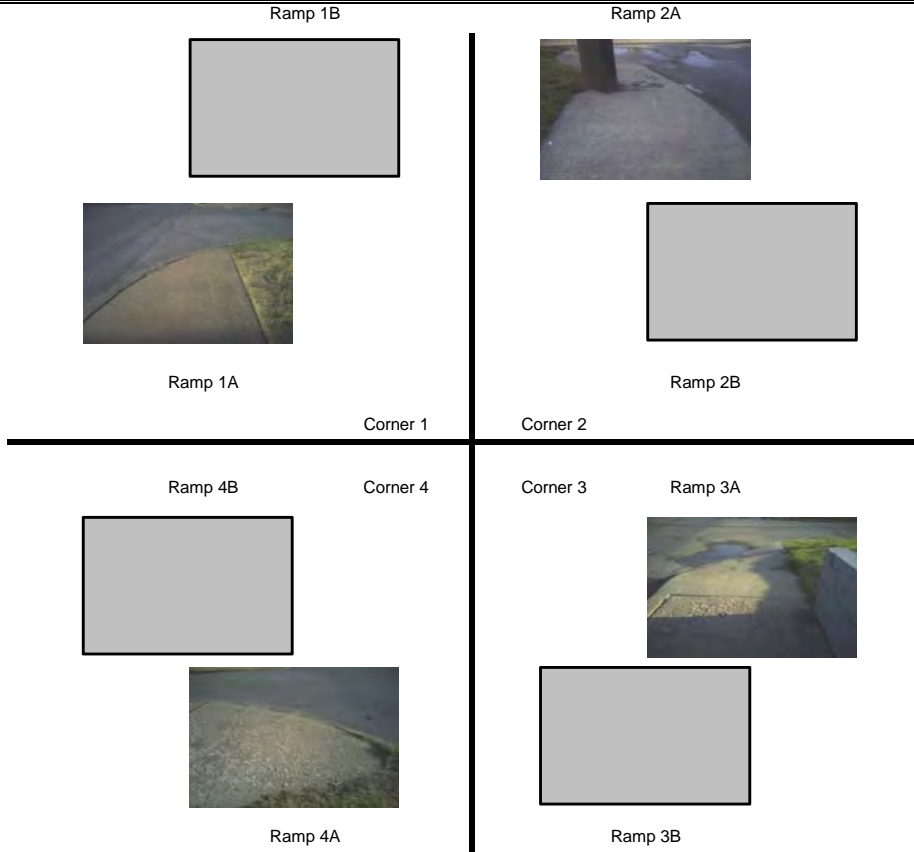
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk	X						X		
Ramp does not exist and is needed					X				Remove and replace ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						Install landing area
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X		X				
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry			X		X				
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 26th St and S Harvard Ave

GPS ID: 34024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,232.60
Engineering: (% +/-)	15%	\$ 1,614.60
Contingency: (% +/-)	20%	\$ 2,152.80
Estimated Project Cost:	\$	14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 25th St

GPS ID: 34025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	2,688.00
Engineering: (% +/-)	15%	\$ 562.29
Contingency: (% +/-)	20%	\$ 749.71
Estimated Project Cost:	\$	4,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H	M					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 24th Pl and S Harvard Ave

GPS ID: 34026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,576.00
Engineering: (% +/-)	15%	\$ 1,038.86
Contingency: (% +/-)	20%	\$ 1,385.14
Estimated Project Cost:	\$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install landing area
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							C	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 23rd St

GPS ID: 34027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,679.20
Engineering: (% +/-)	15%	\$ 1,851.77
Contingency: (% +/-)	20%	\$ 2,469.03
Estimated Project Cost:	\$	15,000.00

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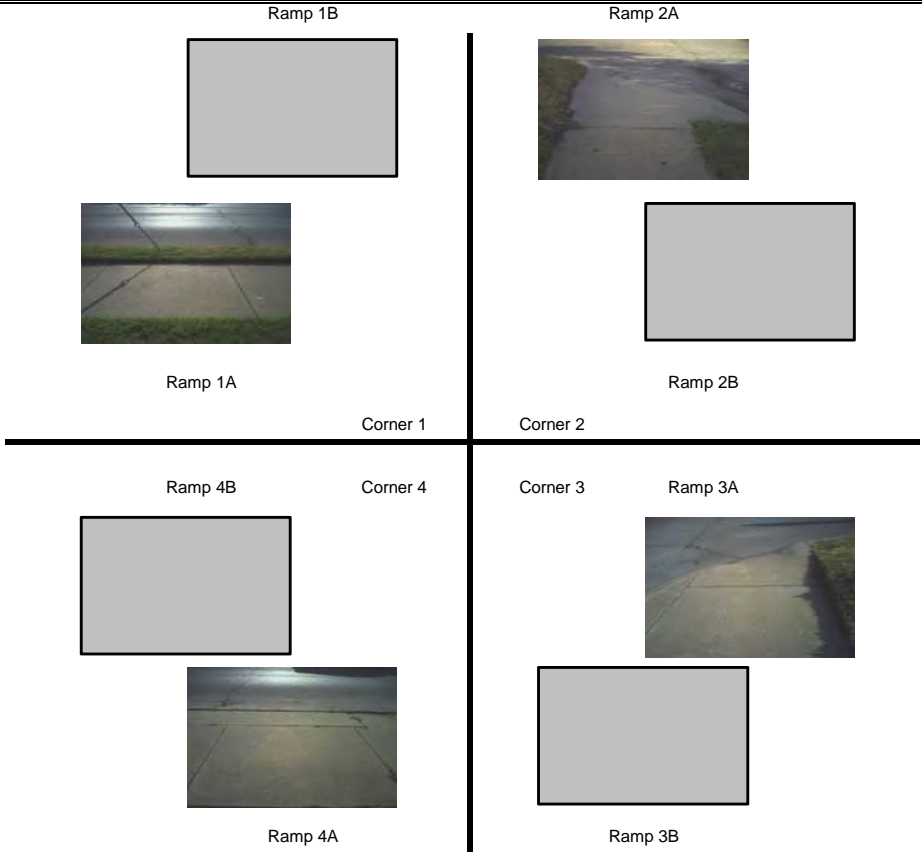
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					Install colored truncated domes
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"					X				
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 22nd St

GPS ID: 34028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

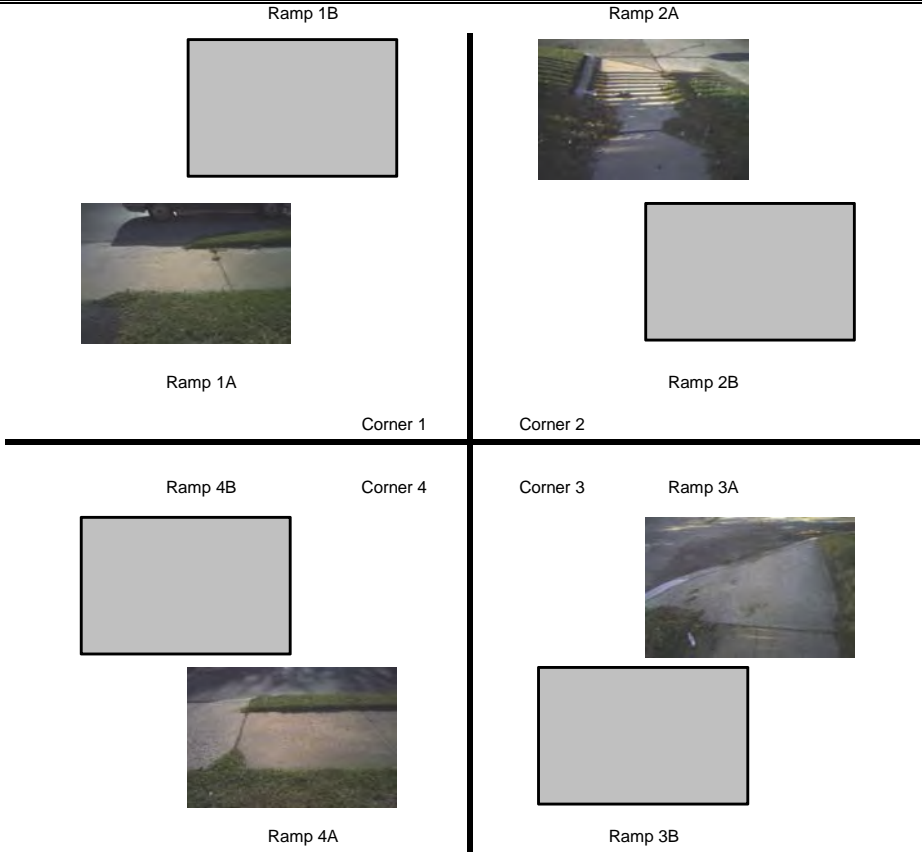
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				Install colored truncated domes
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 8th St (east)

GPS ID: 34029A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 40.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,054.20
Engineering: (% +/-)	15%	\$ 833.91
Contingency: (% +/-)	20%	\$ 1,111.89
Estimated Project Cost:	\$	6,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Yes	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M	M					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 8th St (west)

GPS ID: 34029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,502.00
Engineering: (% +/-)	15%	\$ 642.00
Contingency: (% +/-)	20%	\$ 856.00
Estimated Project Cost:	\$	5,000.00

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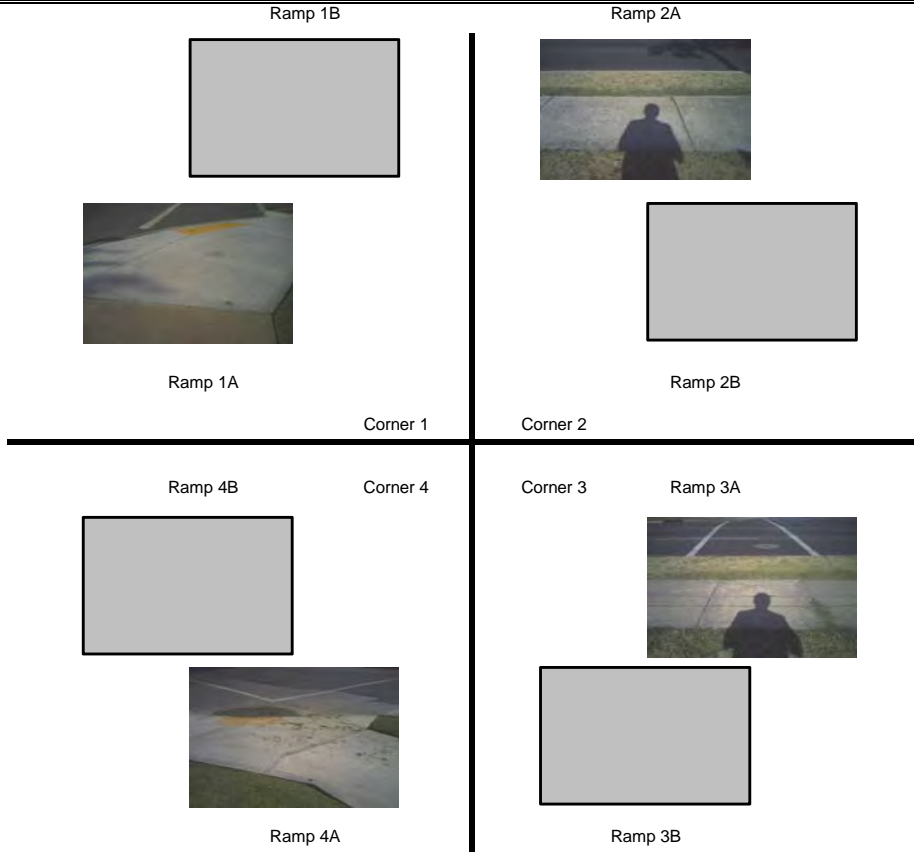
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 7th St

GPS ID: 34030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

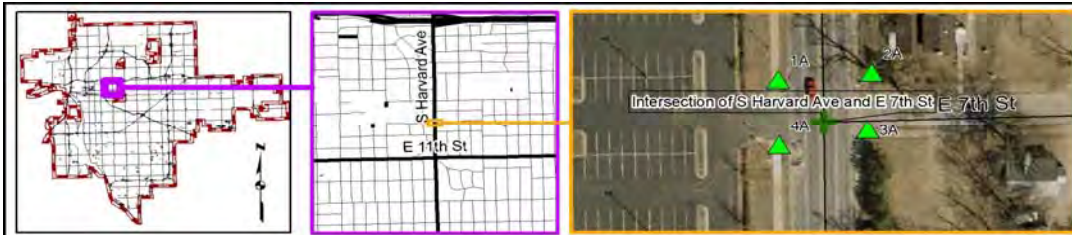
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,366.60
Engineering: (% +/-)	15%	\$ 2,842.89
Contingency: (% +/-)	20%	\$ 3,790.51
Estimated Project Cost:	\$	25,000.00

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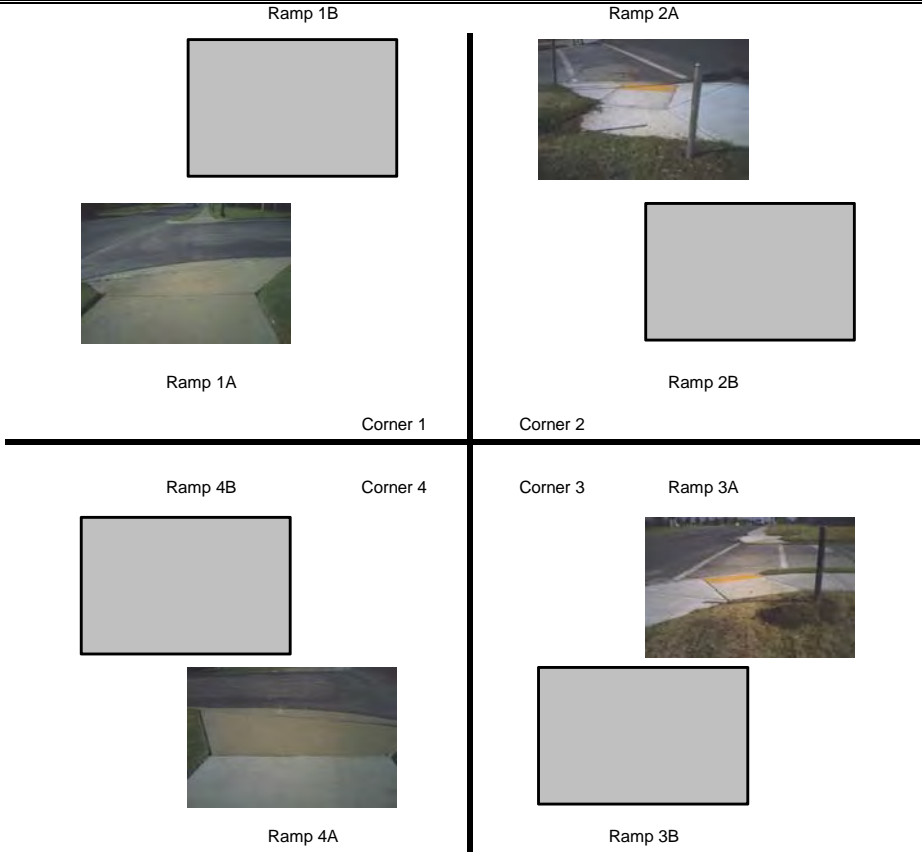
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 6th St

GPS ID: 34031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,251.00
Engineering: (% +/-)	15%	\$ 749.57
Contingency: (% +/-)	20%	\$ 999.43
Estimated Project Cost:	\$	5,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

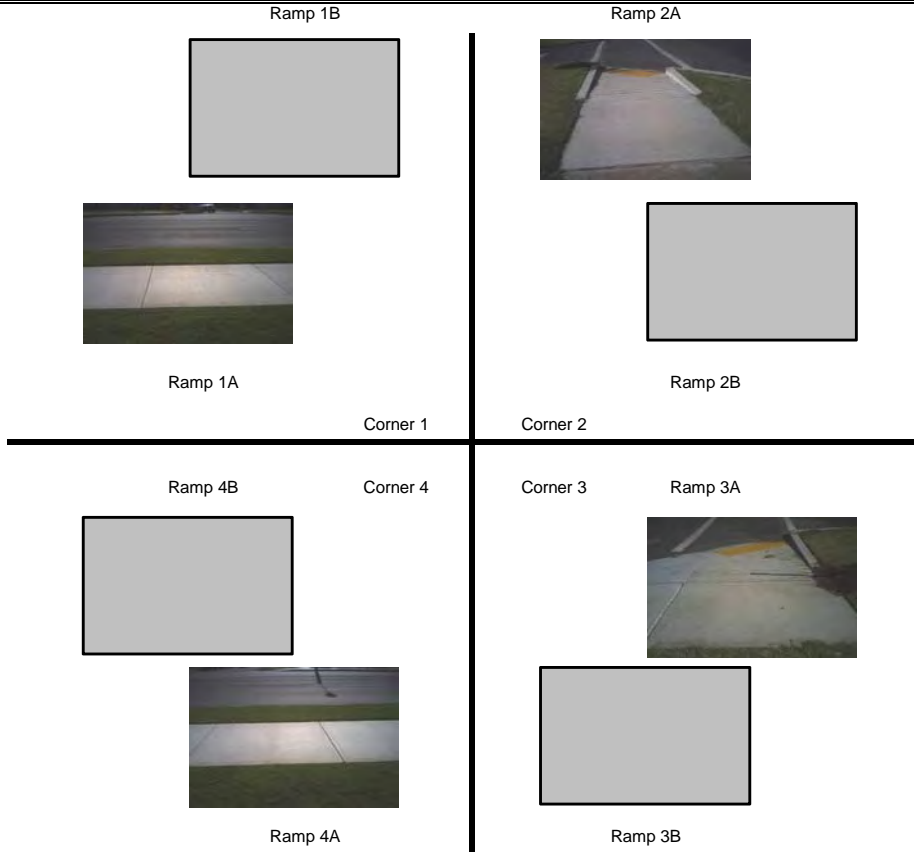
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Yes	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			L		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 5th PI

GPS ID: 34032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	52.81	SY	\$ 10.00	\$ 528.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	52.81	SY	\$ 80.00	\$ 4,224.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,556.20
Engineering: (% +/-)	15%	\$ 1,475.91
Contingency: (% +/-)	20%	\$ 1,967.89
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

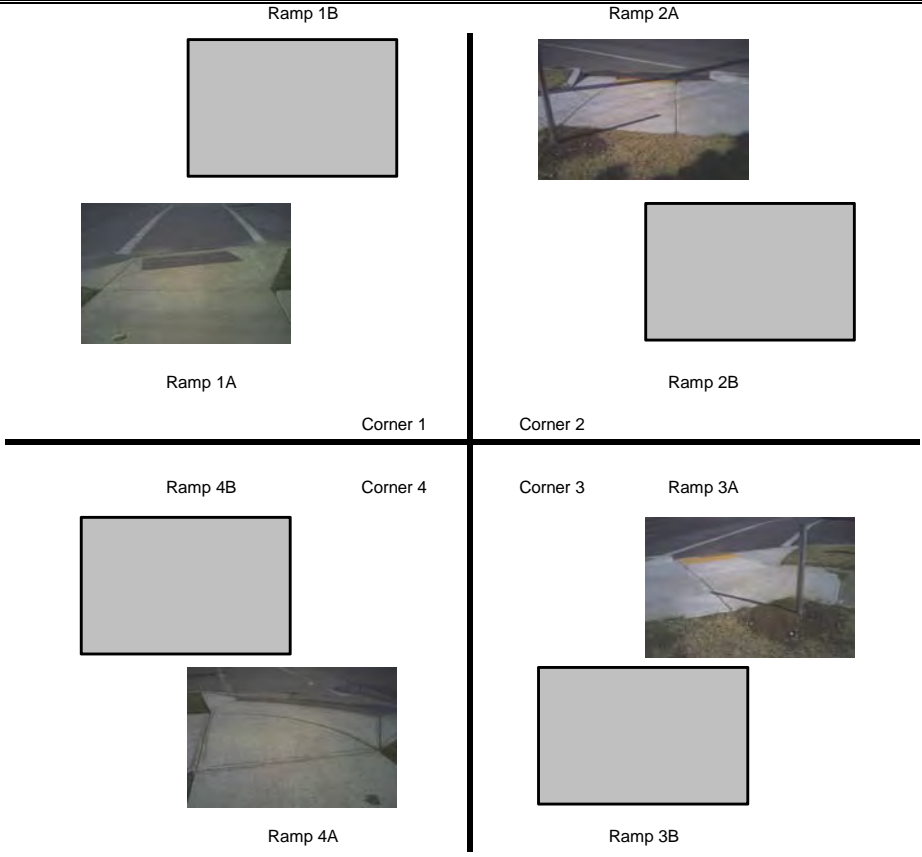
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 4th Pl (west)

GPS ID: 34033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,363.00
Engineering: (% +/-)	15%	\$ 701.57
Contingency: (% +/-)	20%	\$ 935.43
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

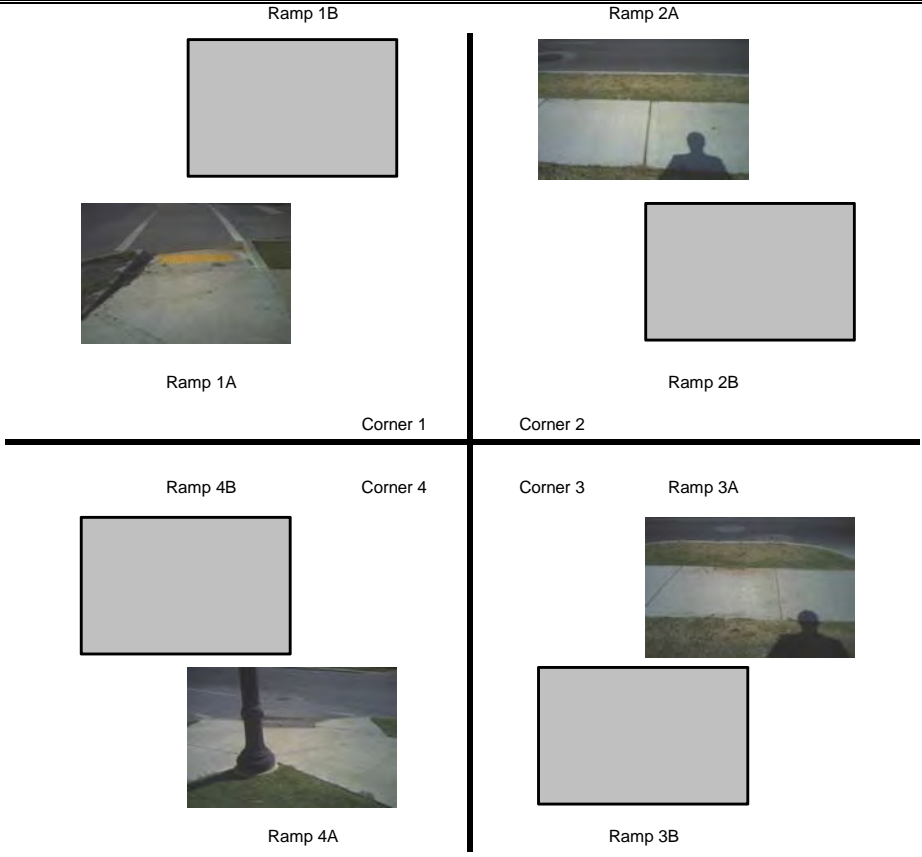
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 4th PI (east)

GPS ID: 34034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,502.00
Engineering: (% +/-)	15%	\$ 1,070.57
Contingency: (% +/-)	20%	\$ 1,427.43
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

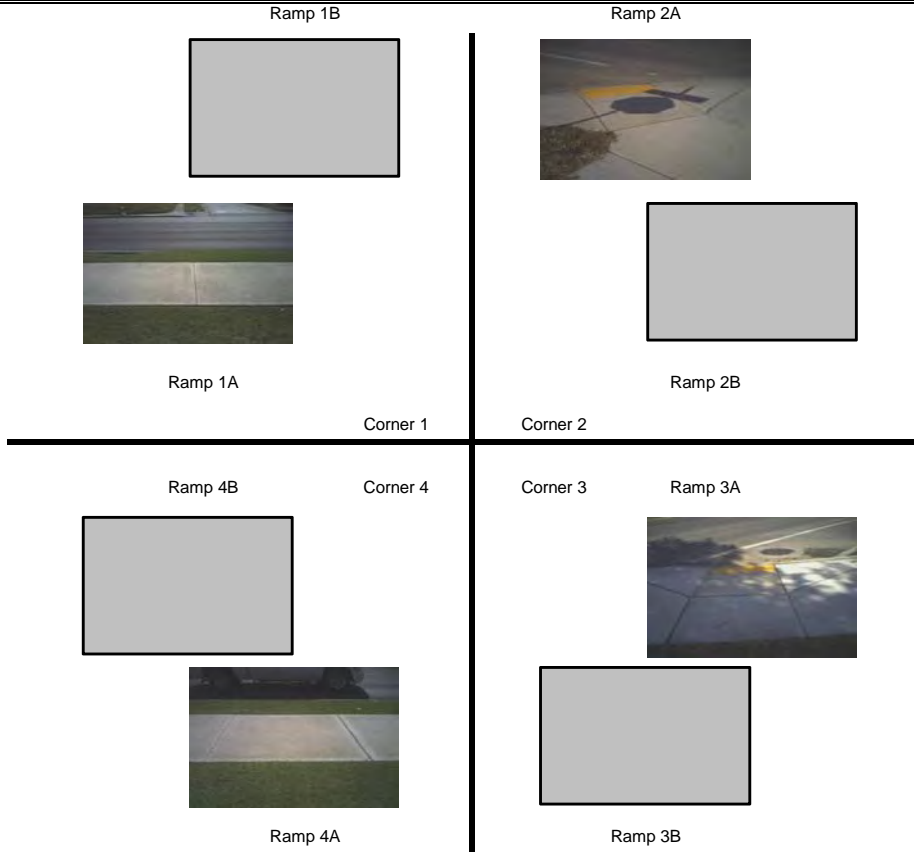
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Yes	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Harvard Ave and E 3rd St S

GPS ID: 34035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,827.00
Engineering: (% +/-)	15%	\$ 1,788.43
Contingency: (% +/-)	20%	\$ 2,384.57
Estimated Project Cost:	\$	15,000.00

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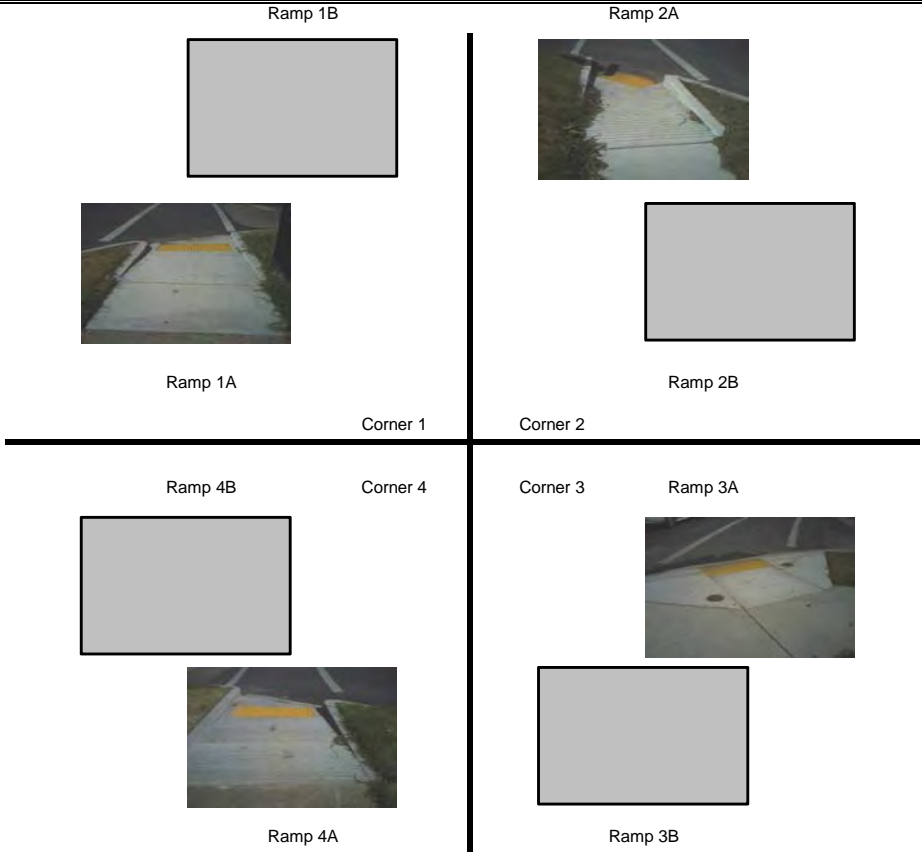
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	C		M		M		L		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 2nd St and S Harvard Ave

GPS ID: 34036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	38.91	SY	\$ 40.00	\$ 389.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	38.91	SY	\$ 80.00	\$ 3,112.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,305.20
Engineering: (% +/-)	15%	\$ 1,583.49
Contingency: (% +/-)	20%	\$ 2,111.31
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		M		M		L		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Admiral Ct

GPS ID: 34037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

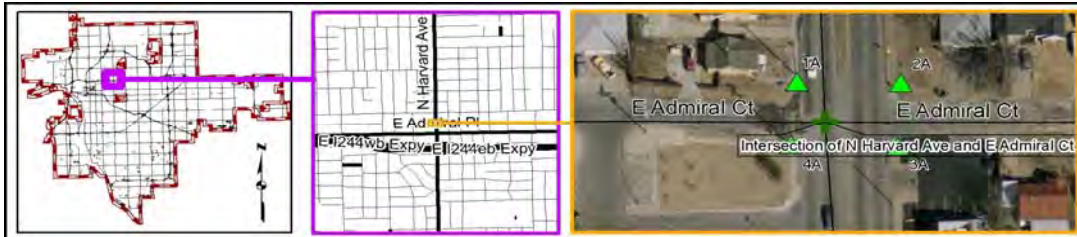
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

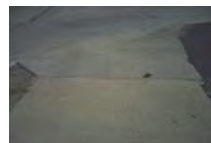
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Archer St and N Harvard Ave
 GPS ID: 34038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	210	LF	\$ 6.50	\$ 1,365.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	30,325.60
Engineering: (% +/-)	15%	\$ 4,574.74
Contingency: (% +/-)	20%	\$ 6,099.66
Estimated Project Cost:	\$	41,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	X	N/A	-	
Crosswalk striping	Worn	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X				
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%			X	X	X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X	X	X	X	X				
No color contrast at base of ramp	X	X	X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X	X				
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Regrade roadway
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X	X	X				
Ramp transition onto roadway is greater than 0.25"			X	X	X				
Ponding occurs at base of ramp	X	X	X	X	X				
Ramp not needed due to existing geometry									
Ramp Priority:	M		H	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Easton St

GPS ID: 34039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

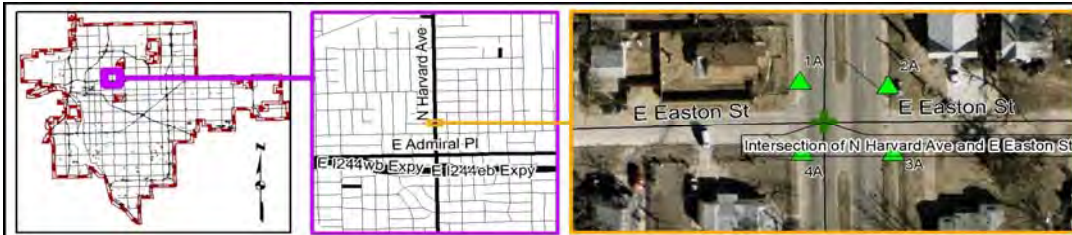
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Install landing area
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Haskell St and N Harvard Ave

GPS ID: 34040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
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16:					
17:					
18:					
19:					
20:					
21:					
22:					

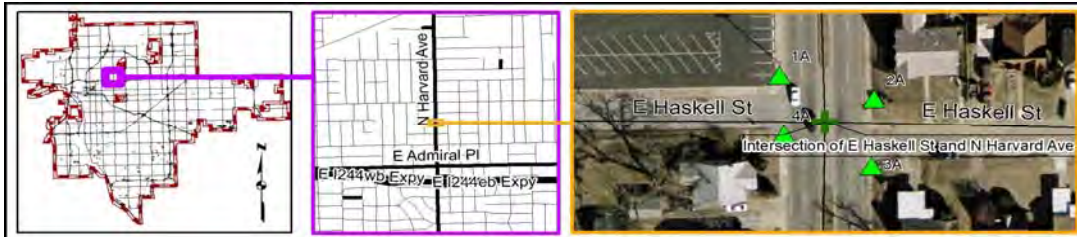
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	35,000.00

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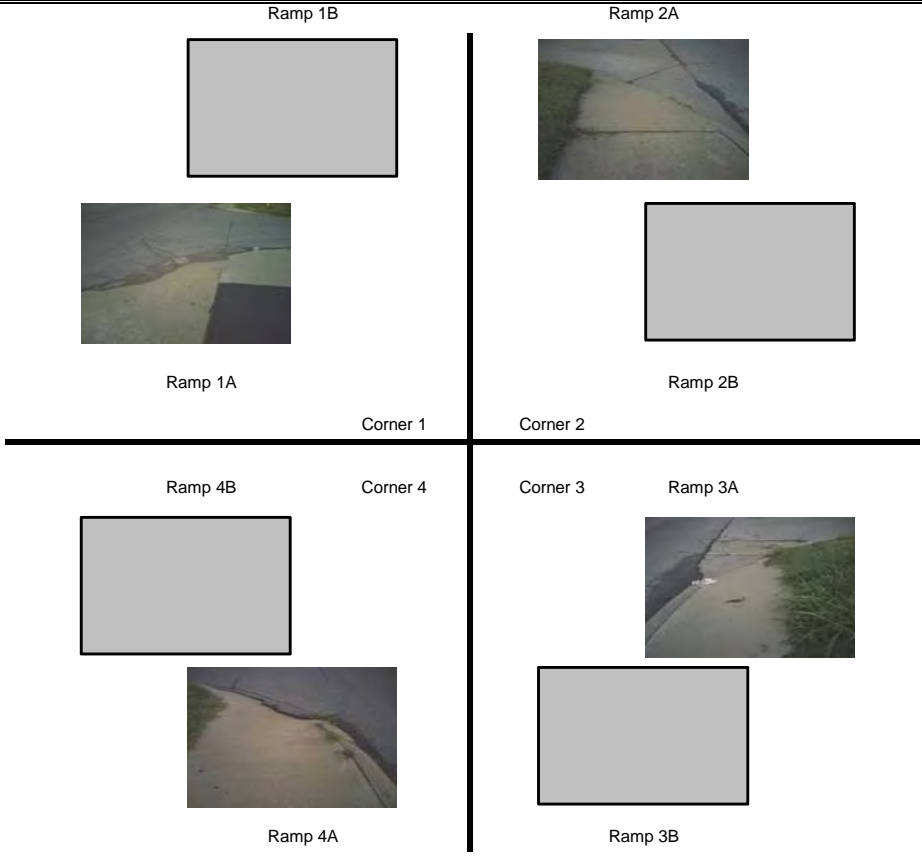
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Haskell PI GPS ID: 34041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

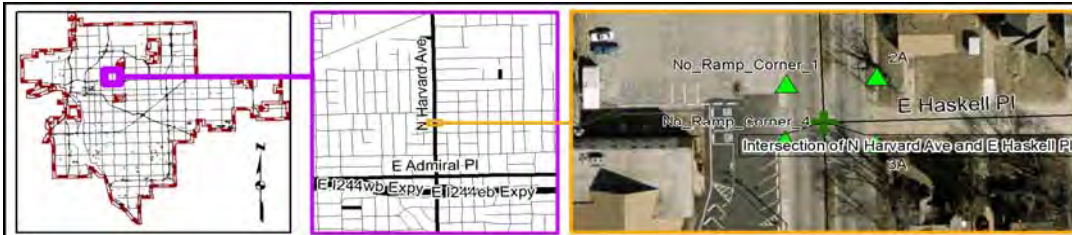
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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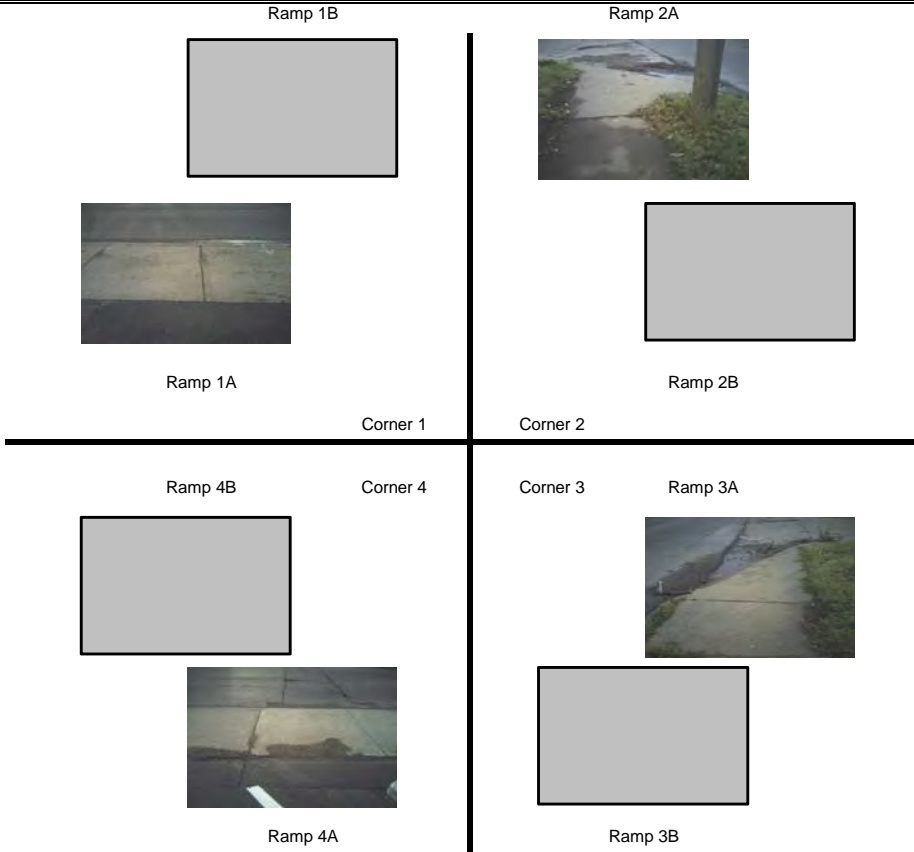
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Jasper St
 GPS ID: 34042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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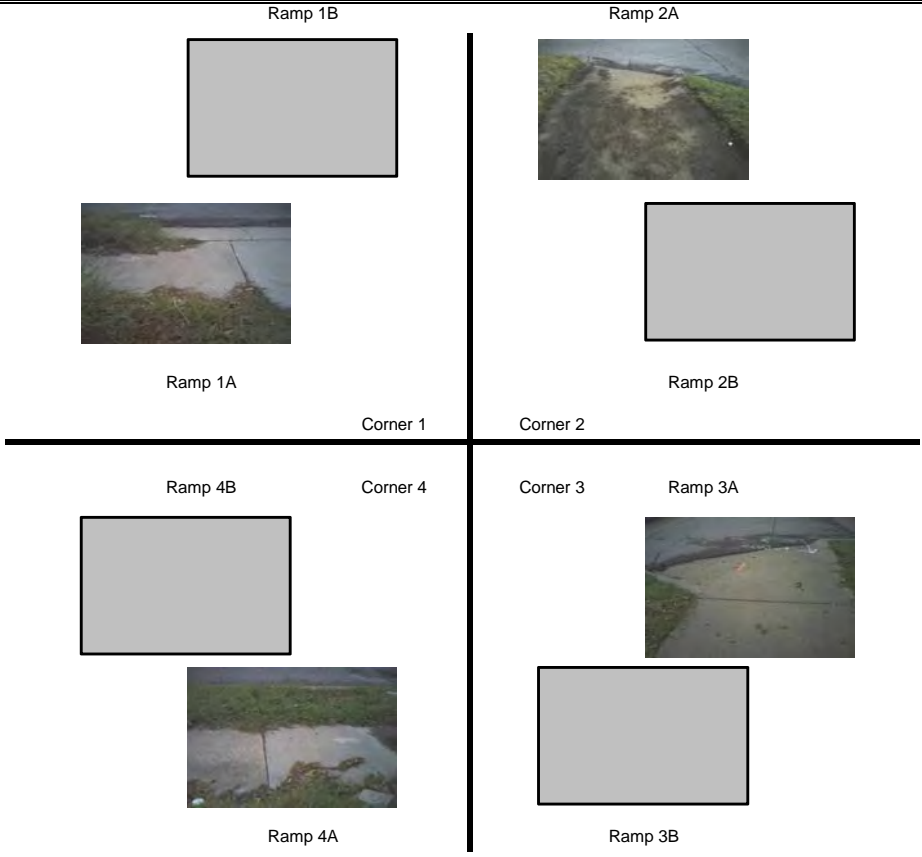
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X		X				
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E King St

GPS ID: 34043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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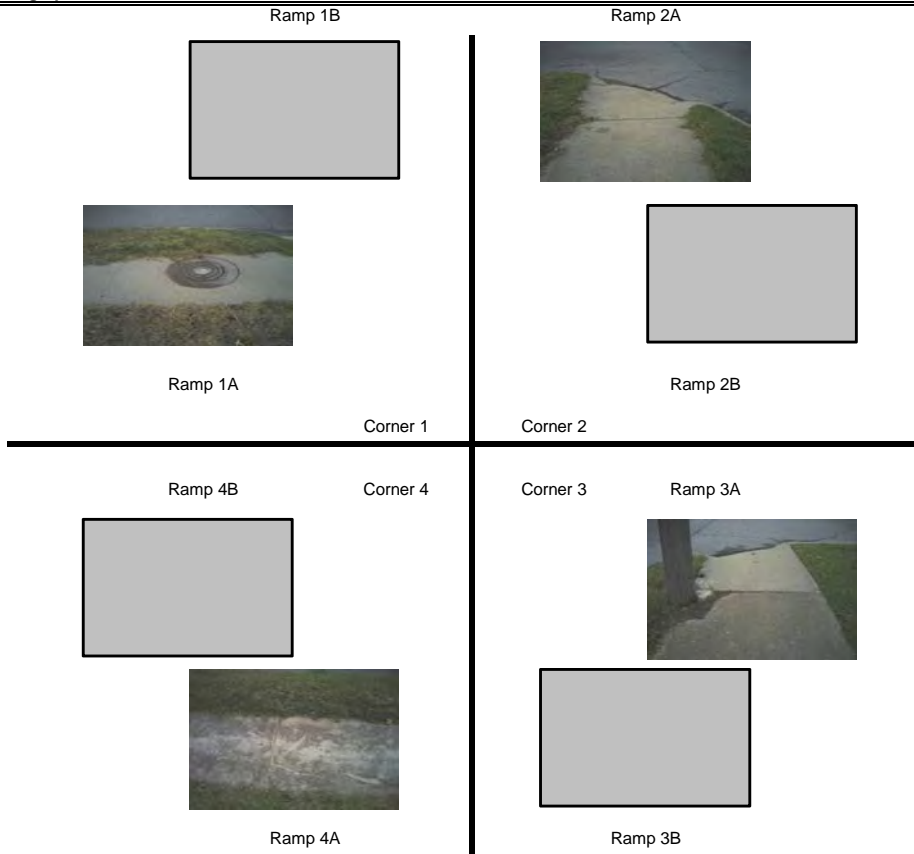
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X	X				
Flare cross slope is greater than 10%					X				Install colored truncated domes
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X	X					
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:			H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E King PI

GPS ID: 34044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

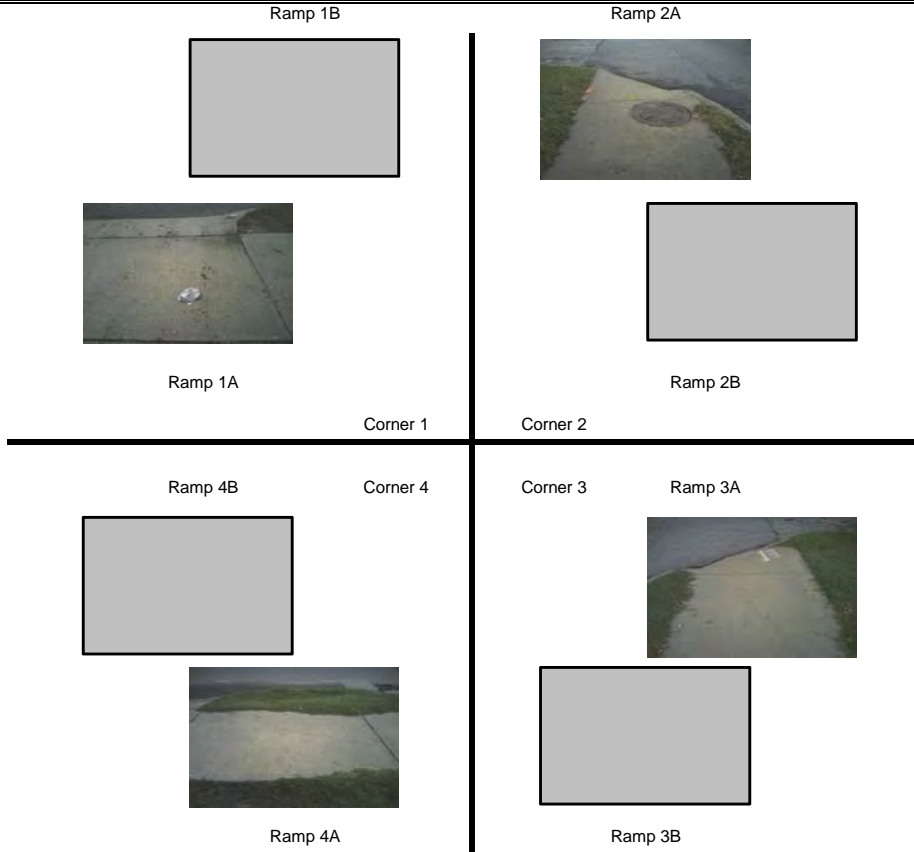
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X	X					
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:			H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Latimer St and N Harvard Ave

GPS ID: 34045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	35,000.00

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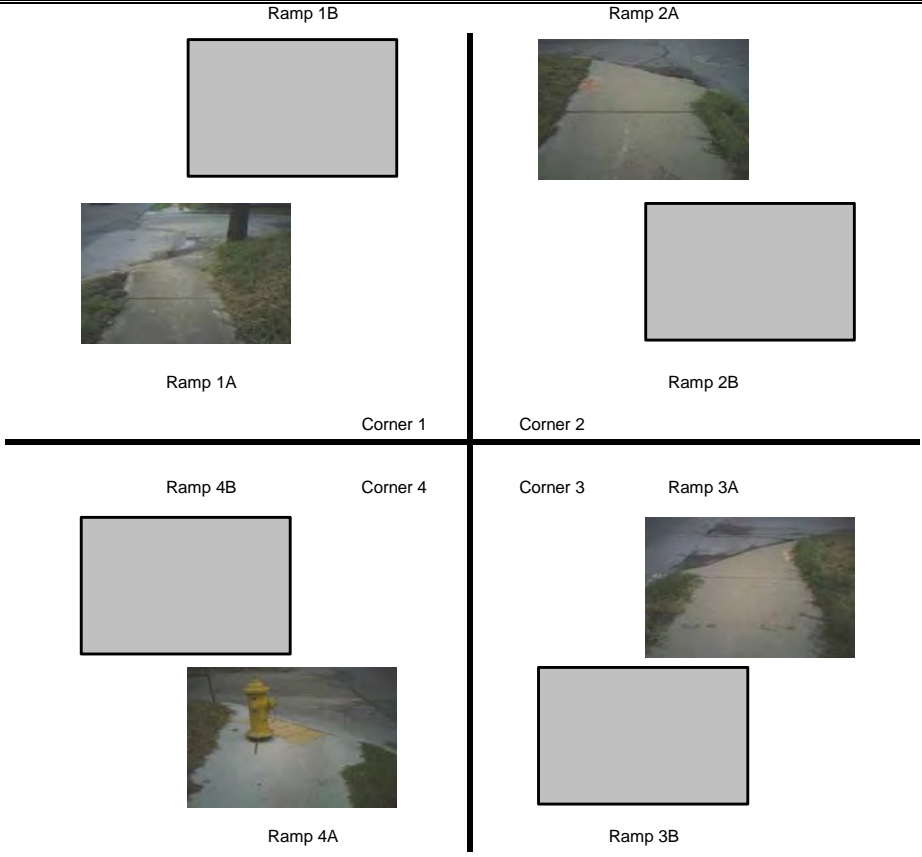
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%			X				X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp	X		X		X				
No color contrast at base of ramp	X		X		X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Latimer PI

GPS ID: 34046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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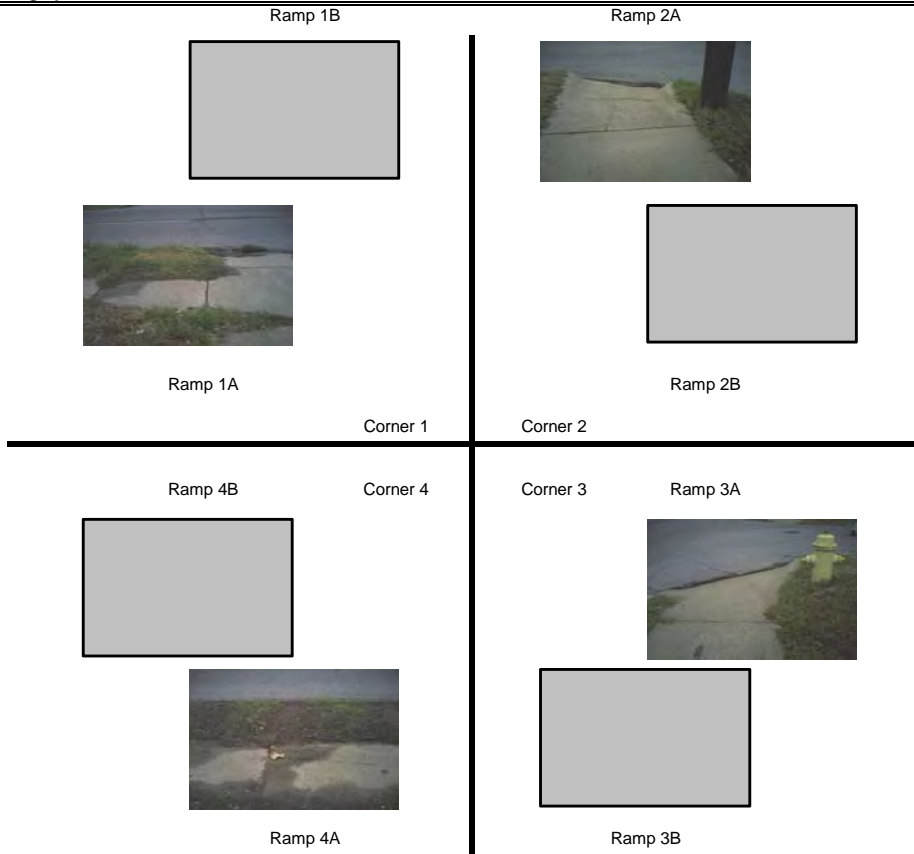
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				Remove and replace ramp
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area				X	X				
No textured surface at base of ramp				X	X				
No color contrast at base of ramp				X	X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"				X	X				
Ponding occurs at base of ramp				X	X				
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:				H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Marshall St

GPS ID: 34047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,102.60
Engineering: (% +/-)	15%	\$ 1,670.31
Contingency: (% +/-)	20%	\$ 2,227.09
Estimated Project Cost:	\$	14,000.00

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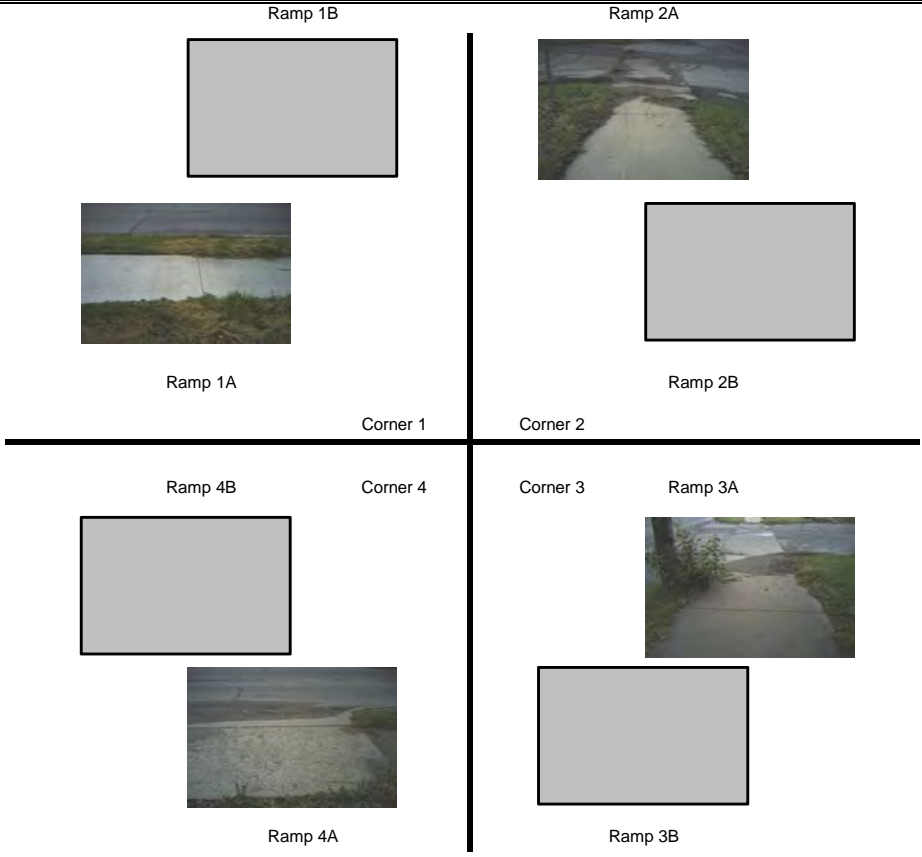
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Harvard Ave and E Newton St

GPS ID: 34048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

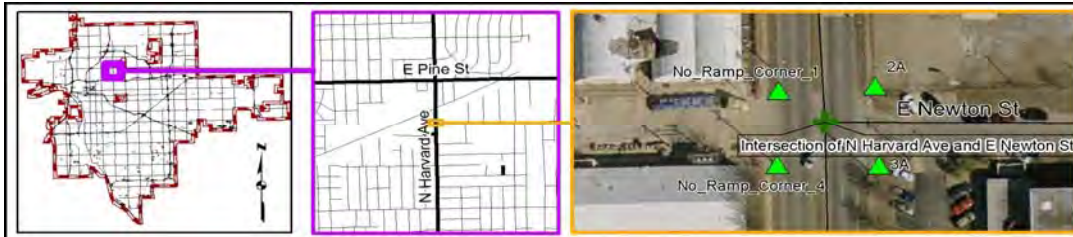
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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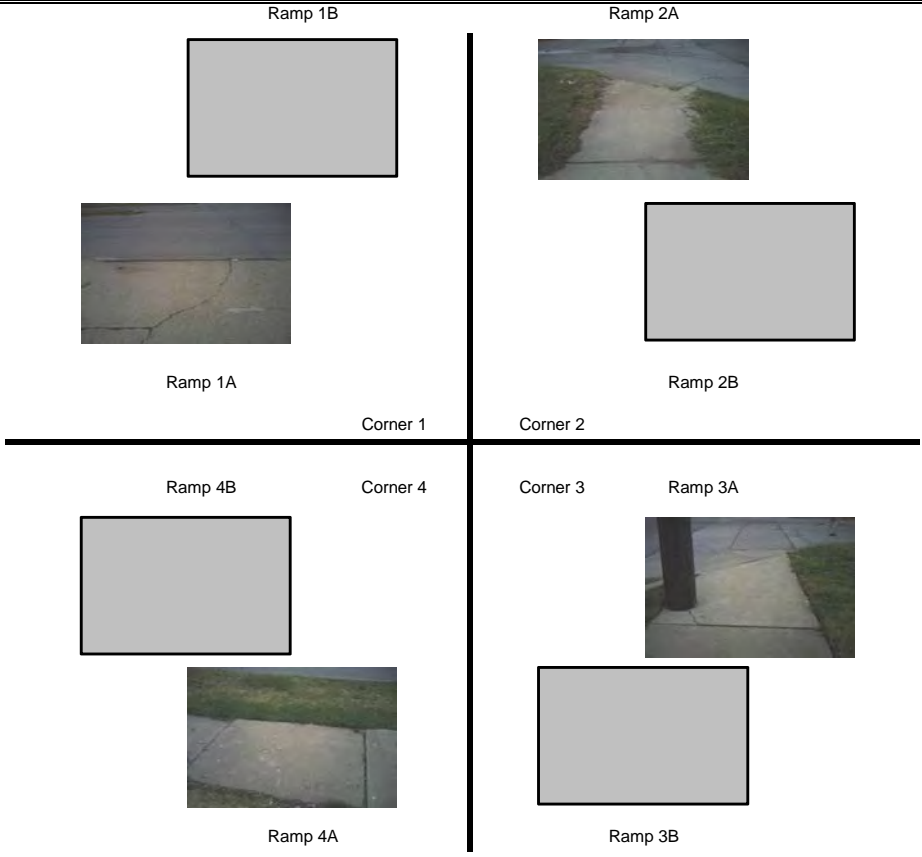
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%					X	X			
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									Regrade roadway
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			
Ponding occurs at base of ramp					X	X			
Ramp not needed due to existing geometry									
Ramp Priority:			H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Dawson Rd and N Harvard Ave

GPS ID: 34049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

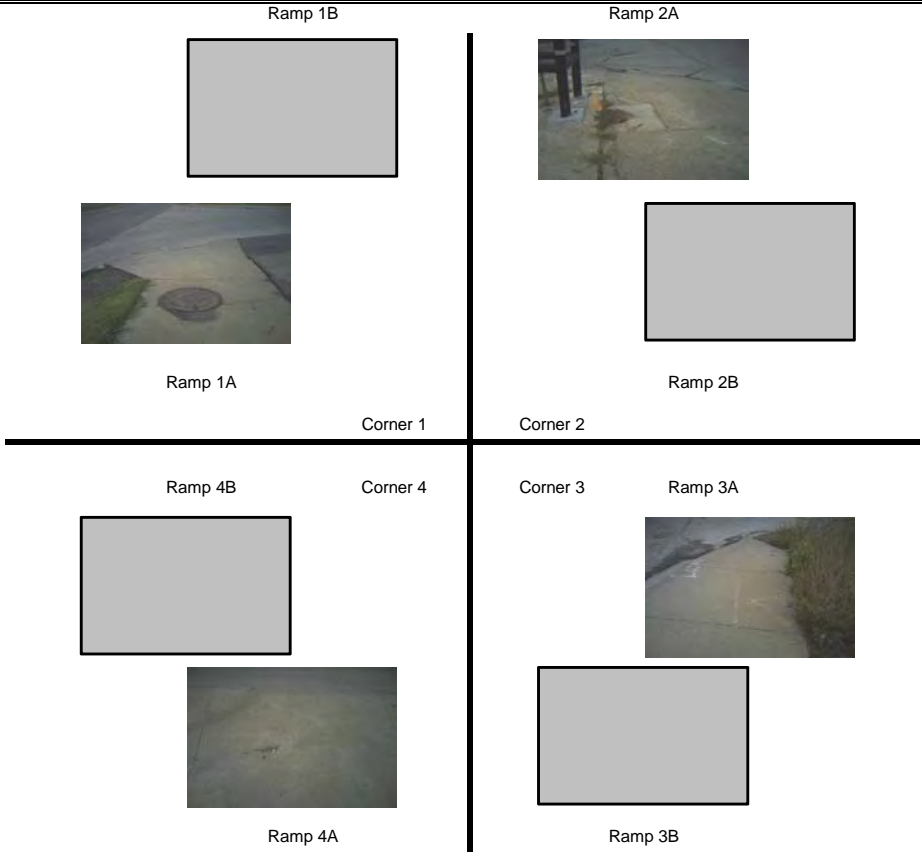
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Install colored truncated domes
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X		X				
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Regrade roadway
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X		X				
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		H		H		



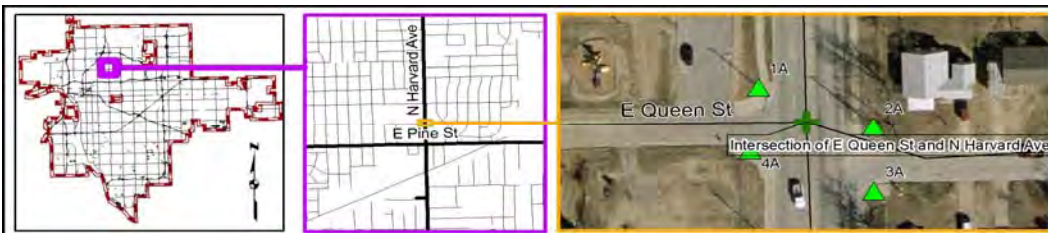
Project Name: Intersection of E Queen St and N Harvard Ave GPS ID: 34050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	10,610.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,881.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,508.23
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,057.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,975.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,966.97
	Estimated Project Cost:	\$ 24,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,851.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,469.03
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,429.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,958.70
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,611.60
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

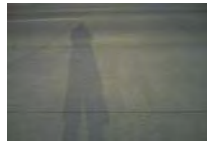
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 11,000.00

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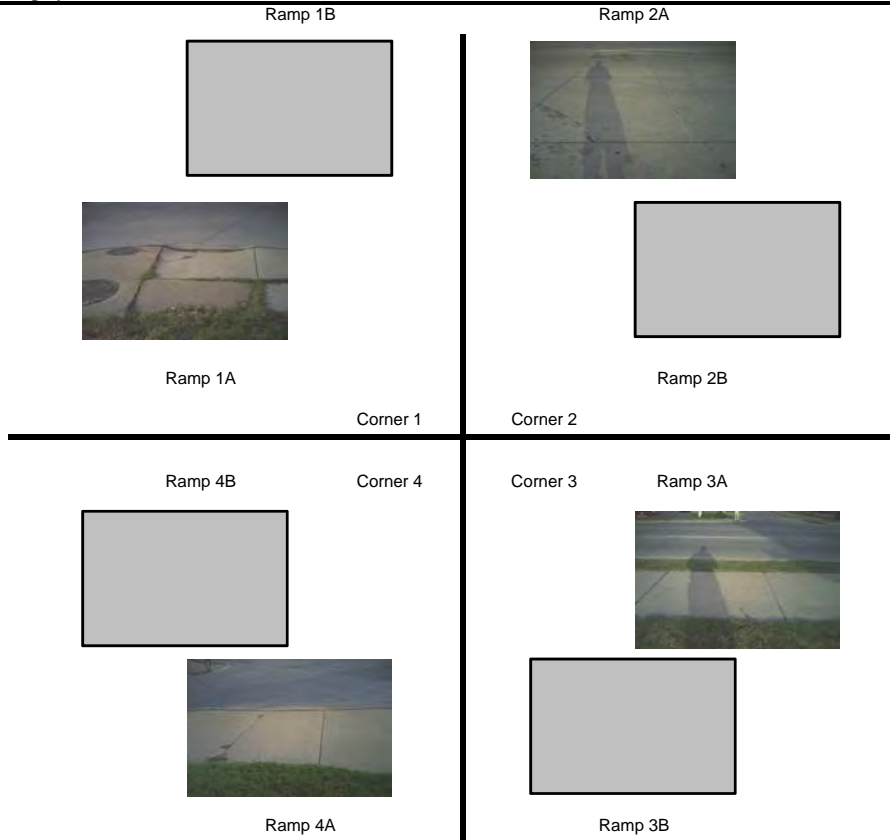
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



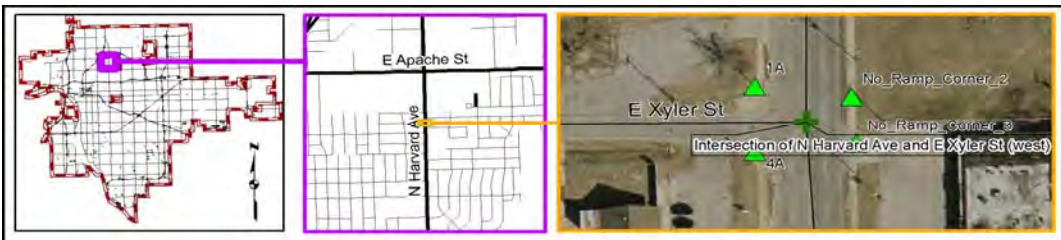
Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	12,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,172.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,896.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,423.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,897.60
	Estimated Project Cost:	\$ 10,000.00

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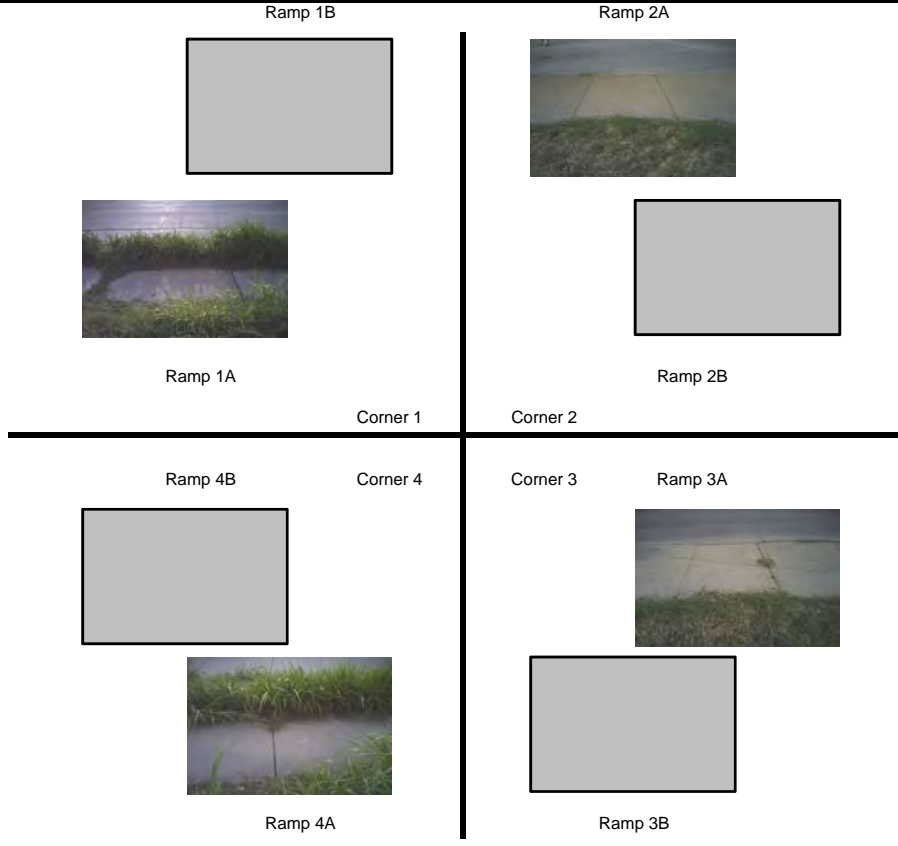
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

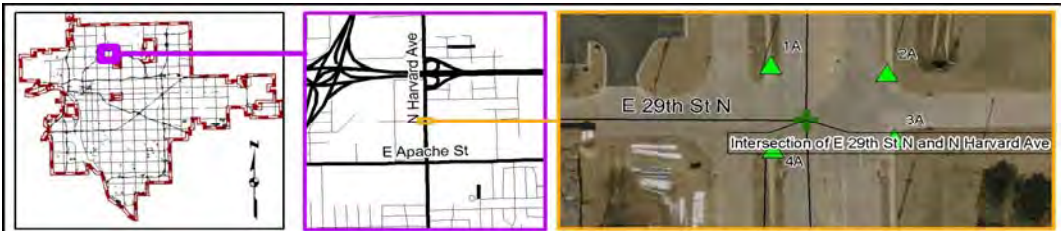
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,252.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,320.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,426.97
	Estimated Project Cost:	\$ 29,000.00

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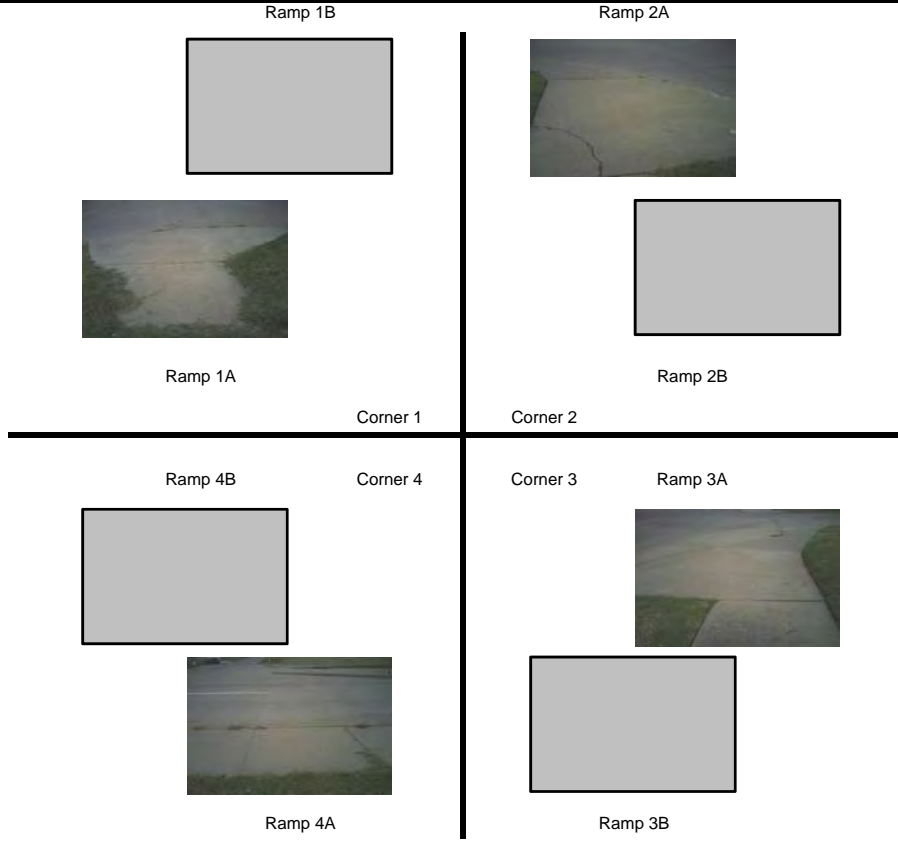
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		-		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 17,000.00

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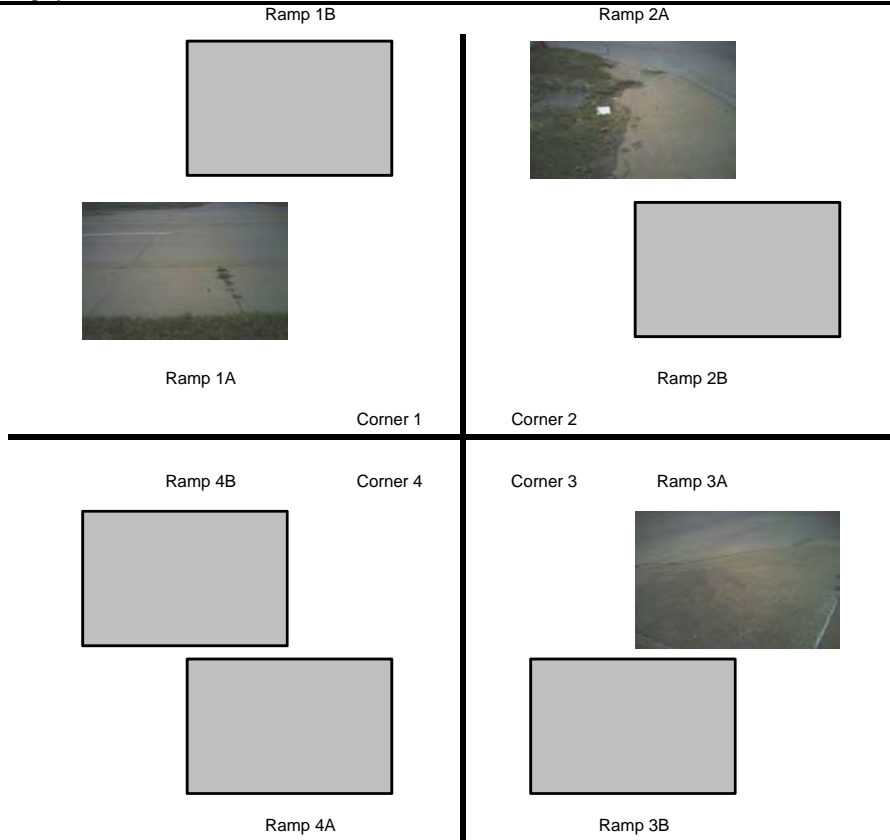
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,339.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,140.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,520.46
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID							Recommendations	
	1A	1B	2A	2C	2D	3A	3C		3D
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X	X	
Ramp running slope is greater than 8.33%				X			X		
Ramp cross slope is greater than 2%			X		X	X	X	X	Remove and replace ramp
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area					X			X	
No textured surface at base of ramp			X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp			X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X			X	
Ponding occurs at base of ramp			X	X			X	X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,534.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,628.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,837.60
	Estimated Project Cost:	\$ 30,000.00

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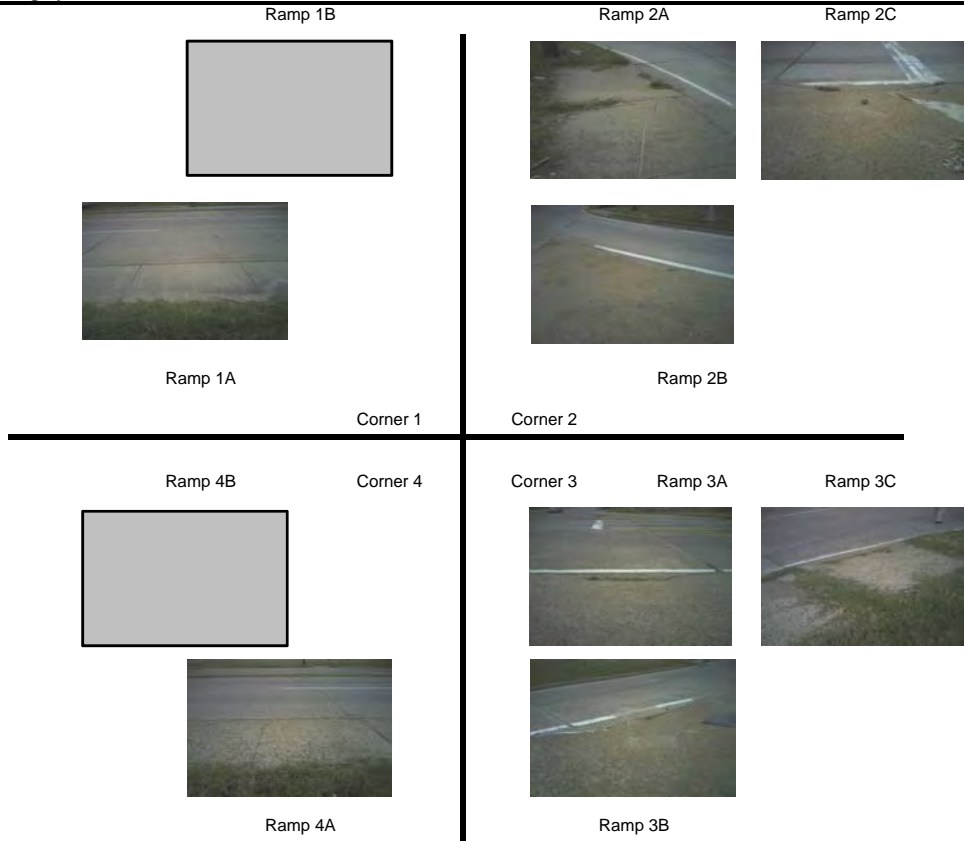
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID							Recommendations	
	1A	1B	2A	2B	2C	3A	3B		3C
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X	X	
Ramp running slope is greater than 8.33%			X	X	X	X	X	X	
Ramp cross slope is greater than 2%						X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp			X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp			X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X			X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X			X	X	X	Regrade roadway
Ponding occurs at base of ramp			X			X		X	
Ramp not needed due to existing geometry									
Ramp Priority:			H	H	H	H	H	H	

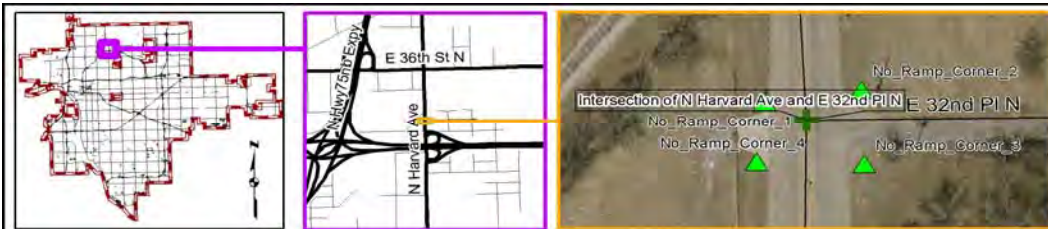


Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 5,297.60
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/> Final Design				Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

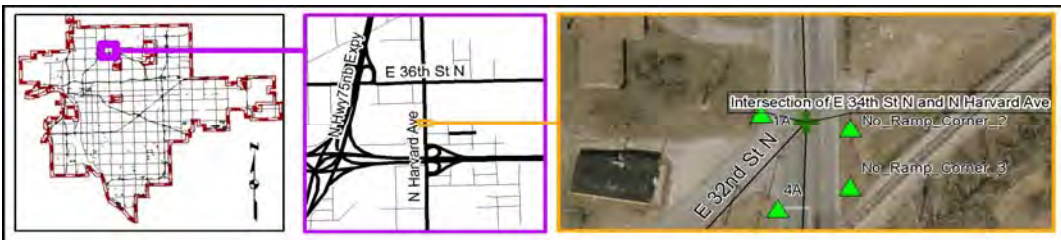
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 4,323.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 718.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 958.17
	Estimated Project Cost:	\$ 6,000.00

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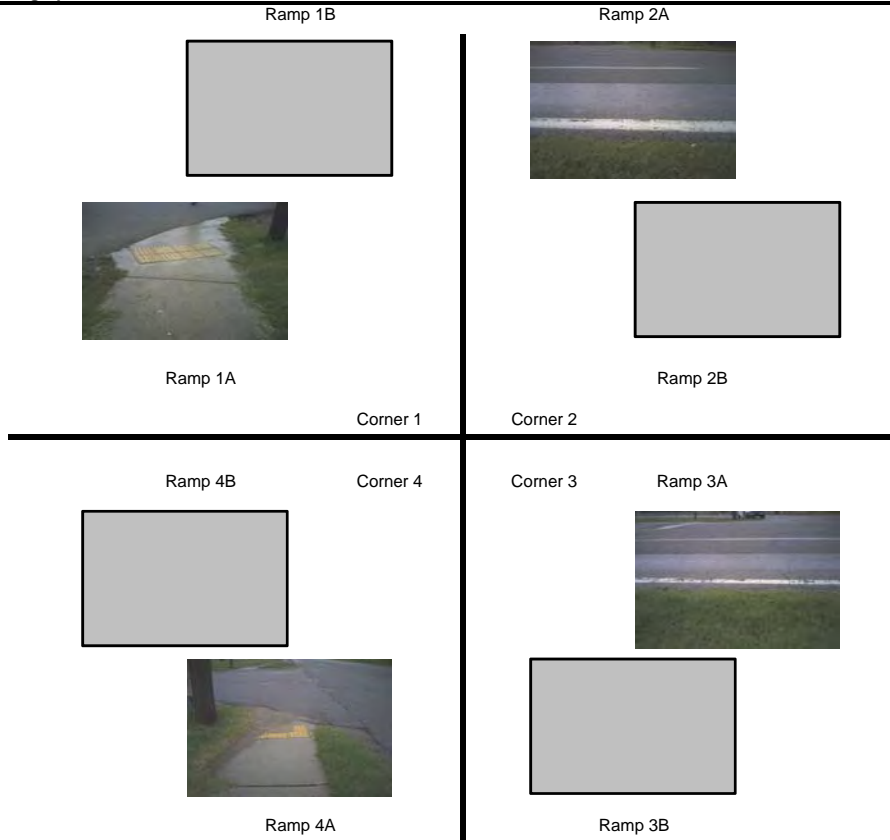
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	C		-	-			M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	41.7	SY	\$ 10.00	\$ 417.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	41.7	SY	\$ 80.00	\$ 3,336.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	40	SF	\$ 30.00	\$ 1,200.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,473.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,940.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,586.86
	Estimated Project Cost:	\$ 16,000.00

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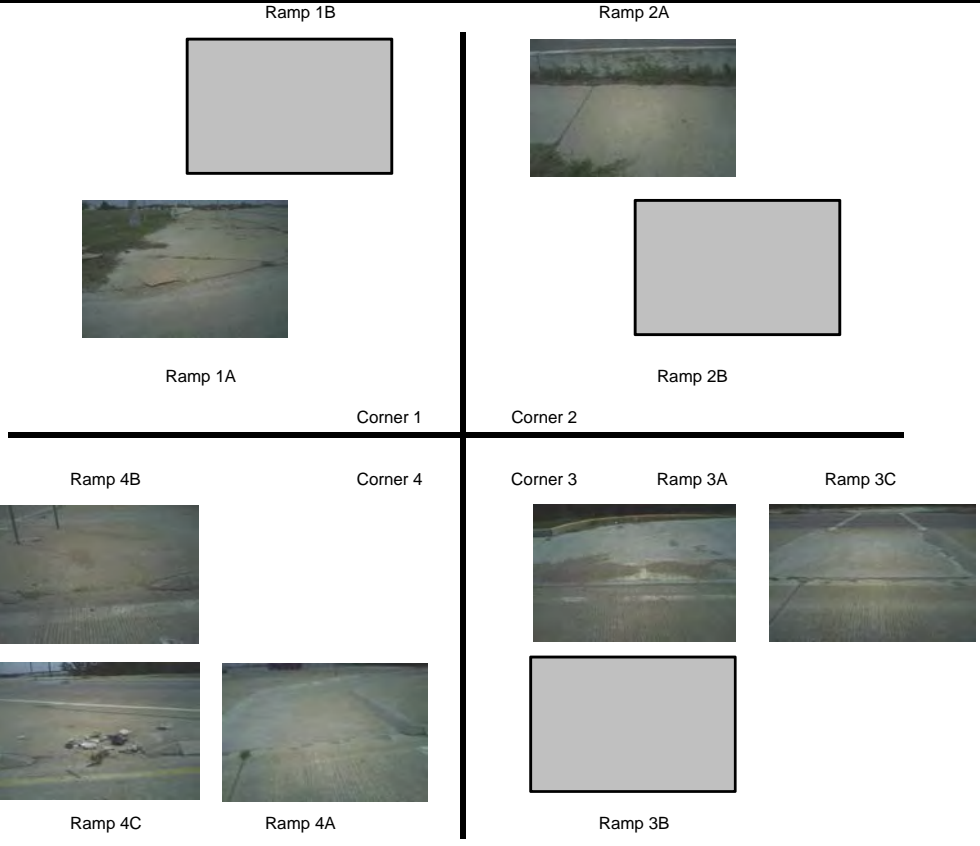
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	2A	2B	3A	3C	4A	4B	4C	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X			X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X			X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X		X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X			X	X	X	X	X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M	-		L	M	M	M	H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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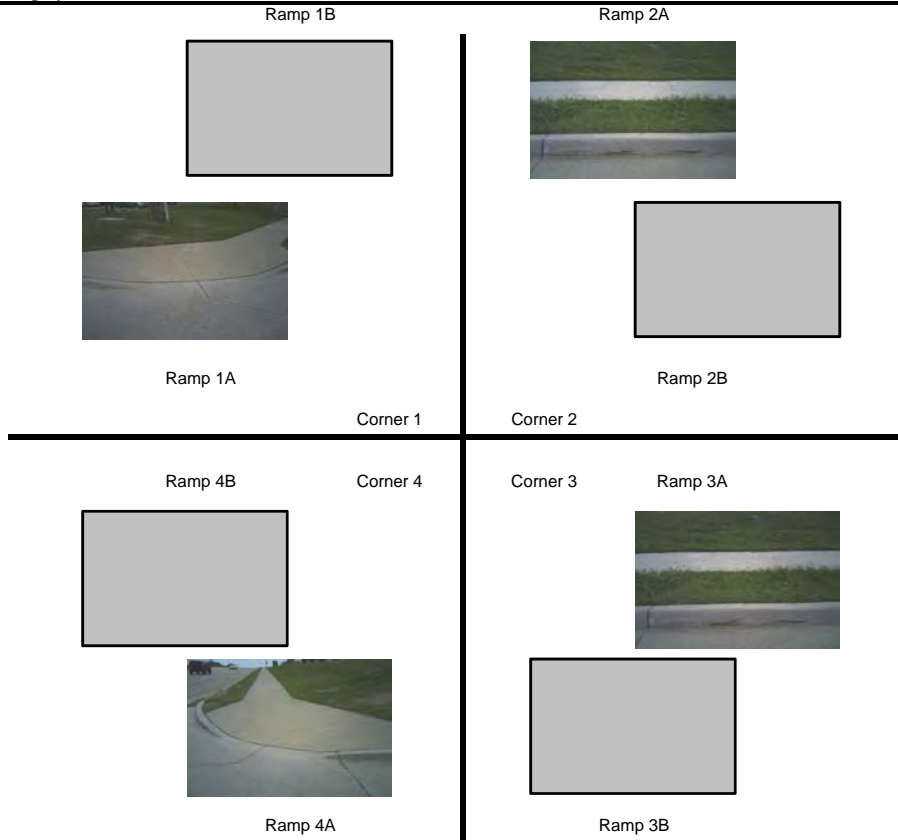
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,382.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,693.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,924.11
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

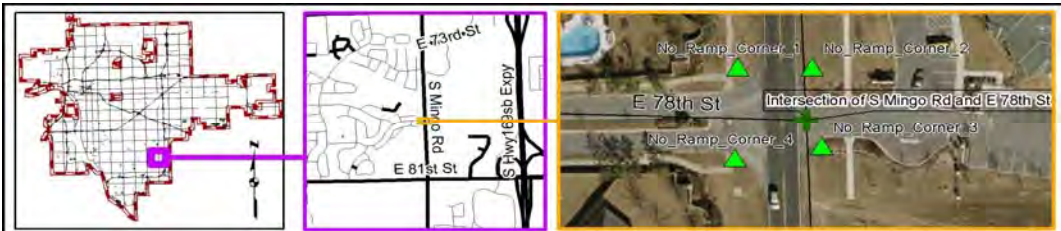
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,075.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,682.06
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,242.74
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	-	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	10,712.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 1,837.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 2,450.29
	Estimated Project Cost:	\$	15,000.00

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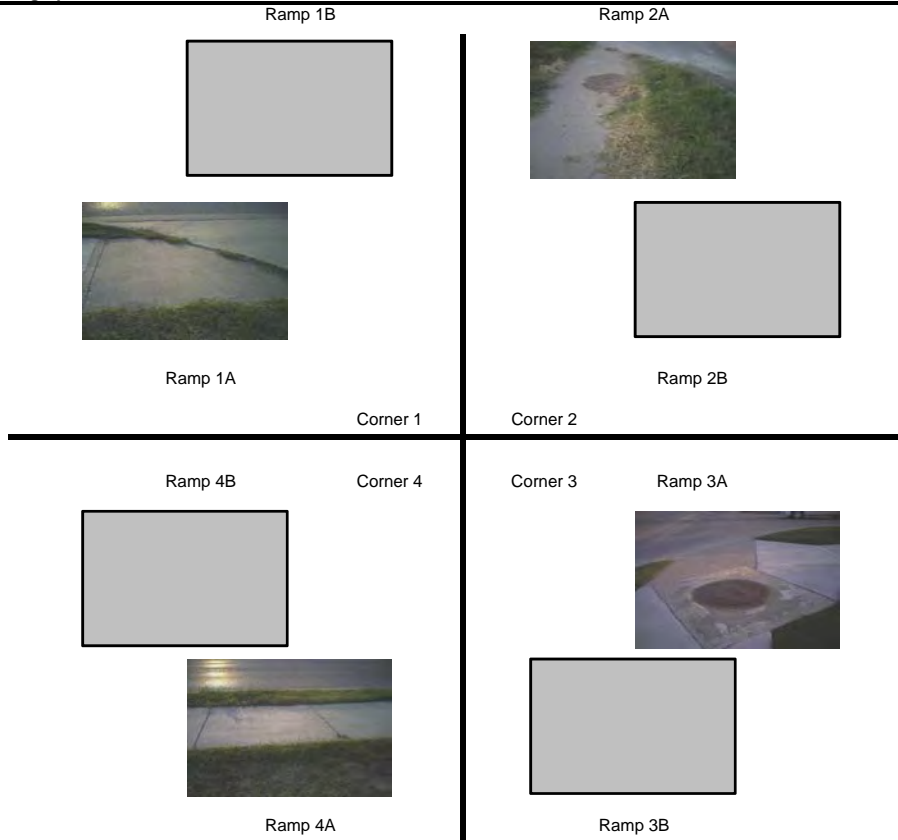
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,102.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,670.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,227.09
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,874.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,768.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,357.60
	Estimated Project Cost:	\$ 14,000.00

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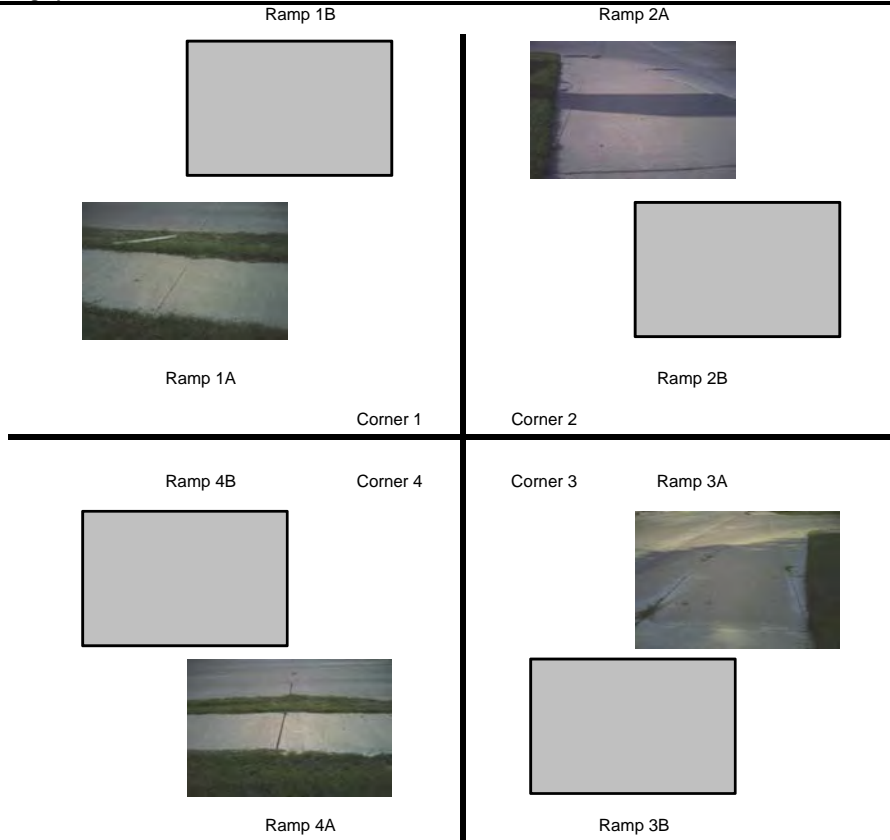
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,647.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,865.57
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,487.43
	Estimated Project Cost:	\$ 15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,687.97
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,250.63
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,874.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,768.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,357.60
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 55th St

GPS ID: 35012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 54th St (east)

GPS ID: 35013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	70	SY	\$ 80.00	\$ -
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,055.00
Engineering: (% +/-)	15%	\$ 1,262.14
Contingency: (% +/-)	20%	\$ 1,682.86
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

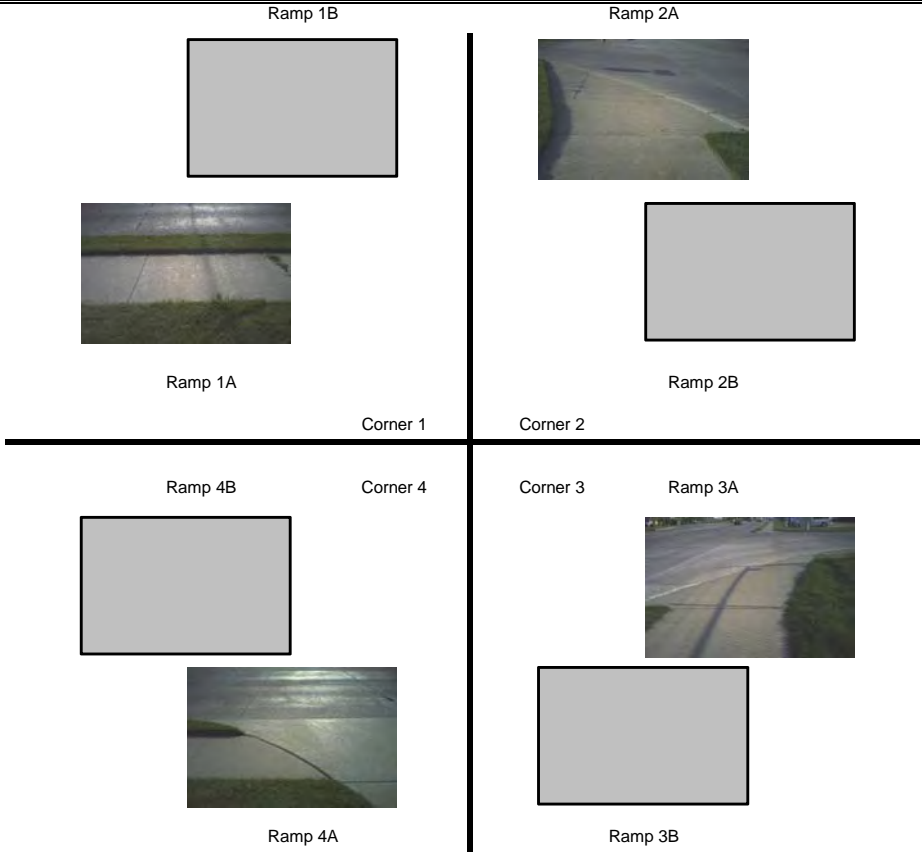
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 54th St (west)

GPS ID: 35014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,557.00
Engineering: (% +/-)	15%	\$ 1,475.57
Contingency: (% +/-)	20%	\$ 1,967.43
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

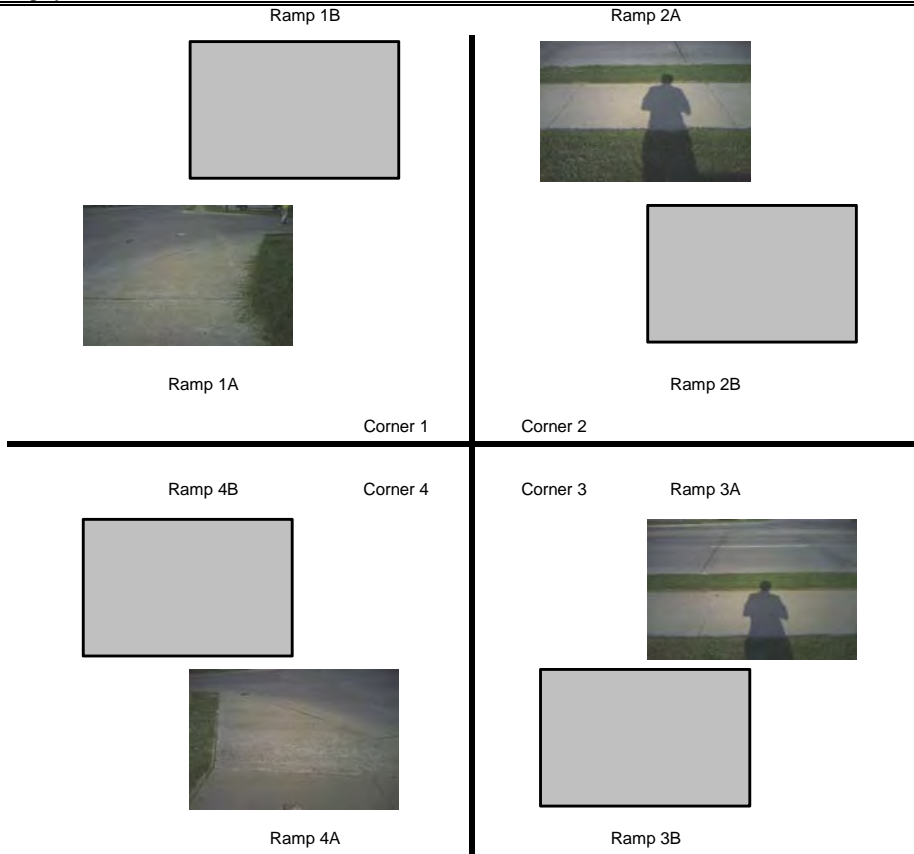
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 48th Pl

GPS ID: 35015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 46th Pl

GPS ID: 35016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

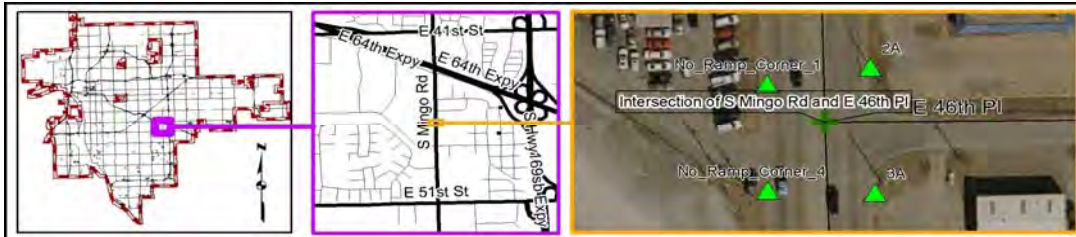
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	11,000.00

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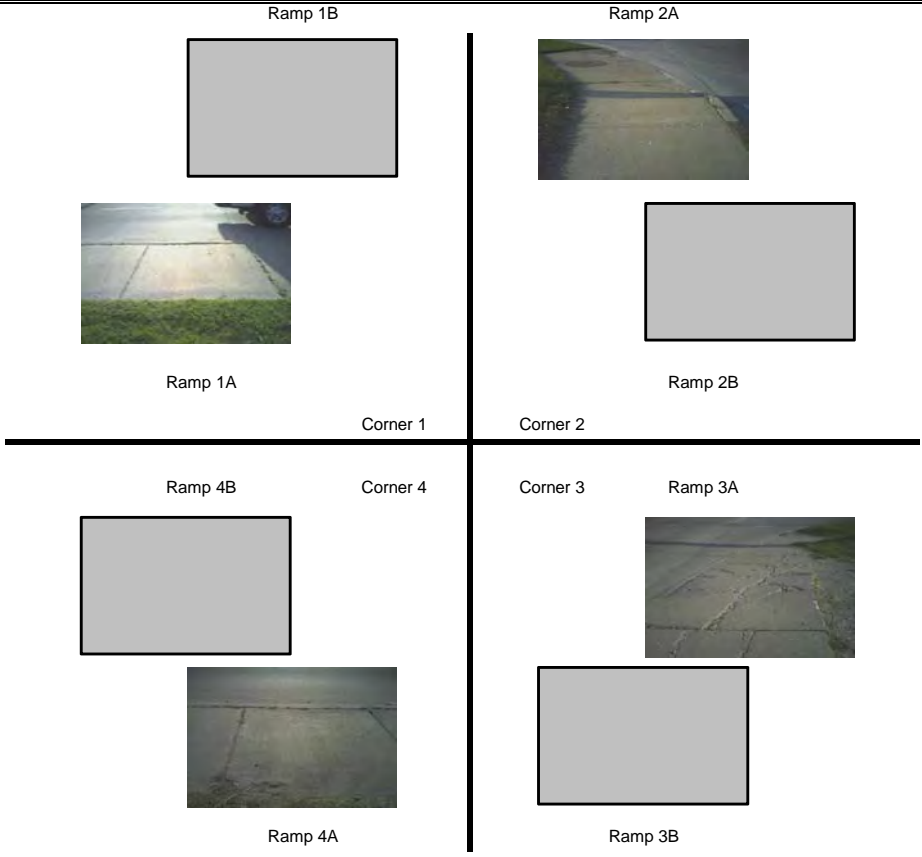
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 25th St (west)

GPS ID: 35017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,232.60
Engineering: (% +/-)	15%	\$ 1,614.60
Contingency: (% +/-)	20%	\$ 2,152.80
Estimated Project Cost:	\$	14,000.00

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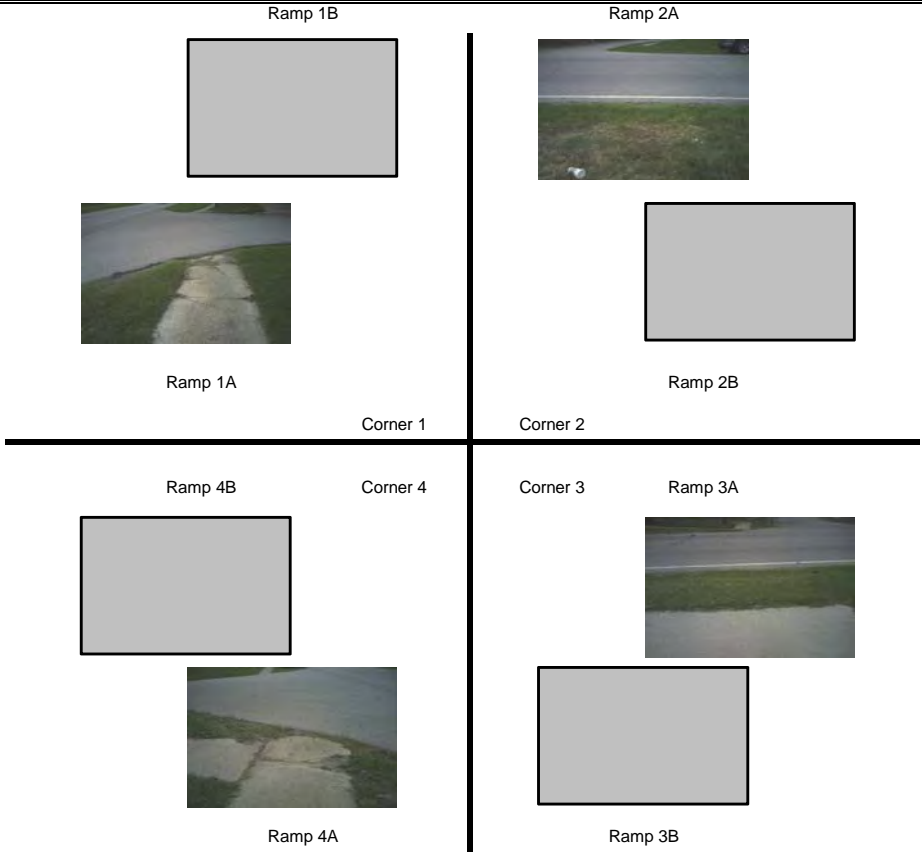
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 25th St (east)

GPS ID: 35018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Install colored truncated domes
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 24th St and S 101st East Ave

GPS ID: 35019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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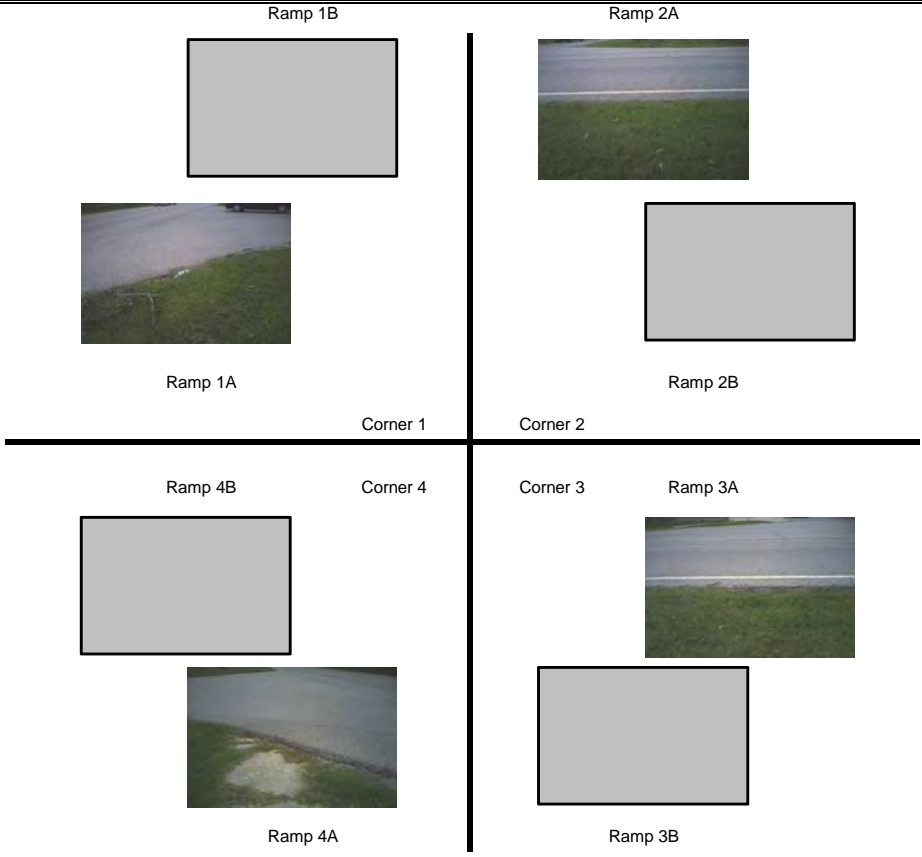
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 23rd PI

GPS ID: 35020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,517.00
Engineering: (% +/-)	15%	\$ 1,921.29
Contingency: (% +/-)	20%	\$ 2,561.71
Estimated Project Cost:	\$	16,000.00

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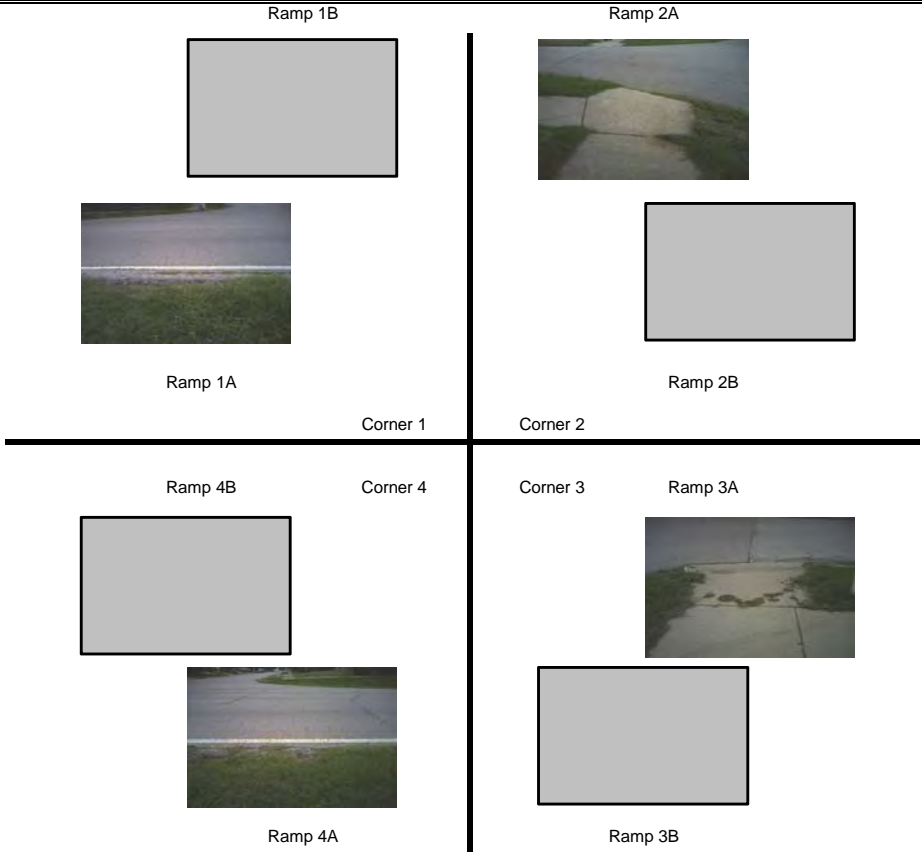
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	H	-	-	-	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 23rd St GPS ID: 35021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	12,931.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,172.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,896.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

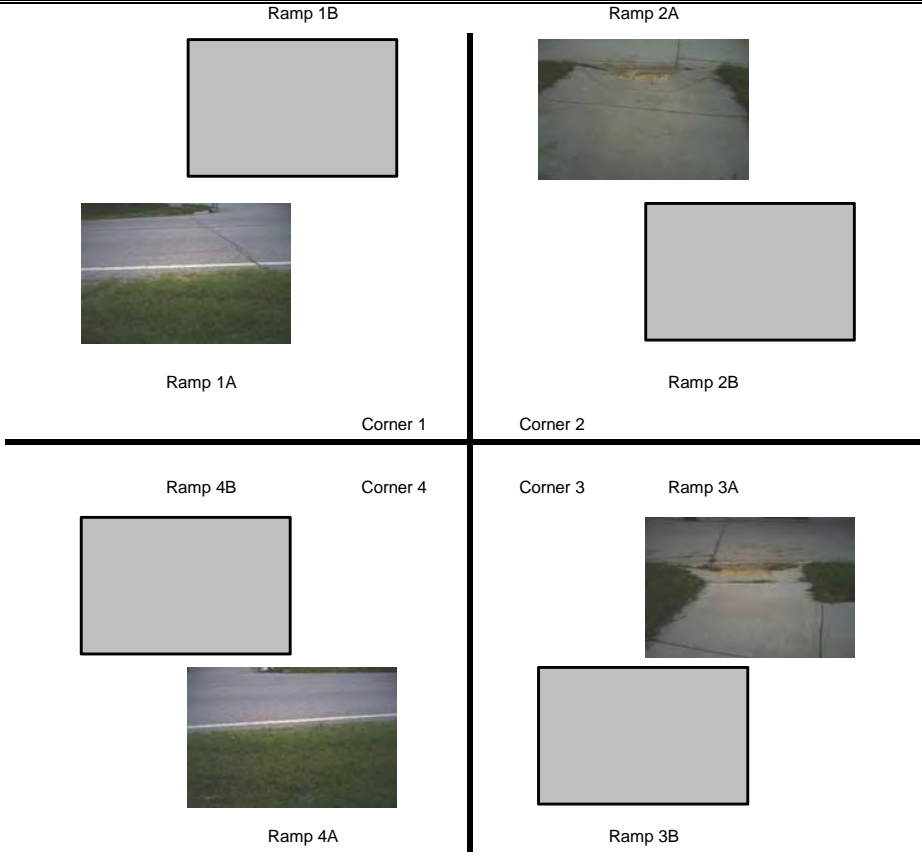
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 22nd Pl (west)

GPS ID: 35022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

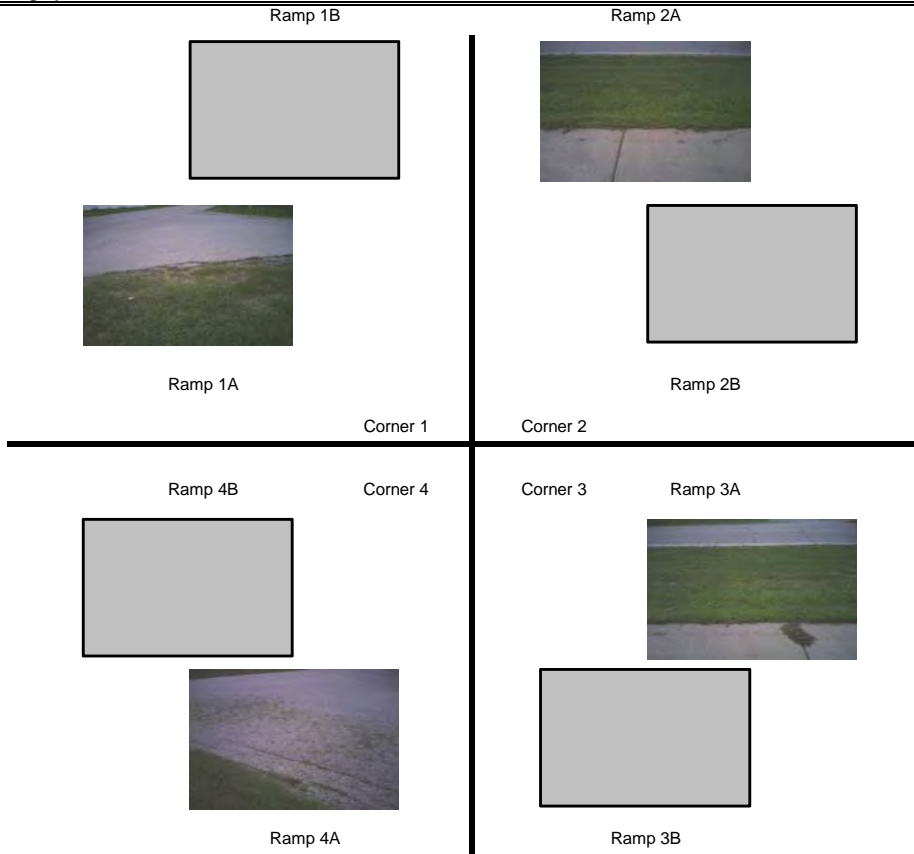
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 22nd Pl (east)

GPS ID: 35022A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

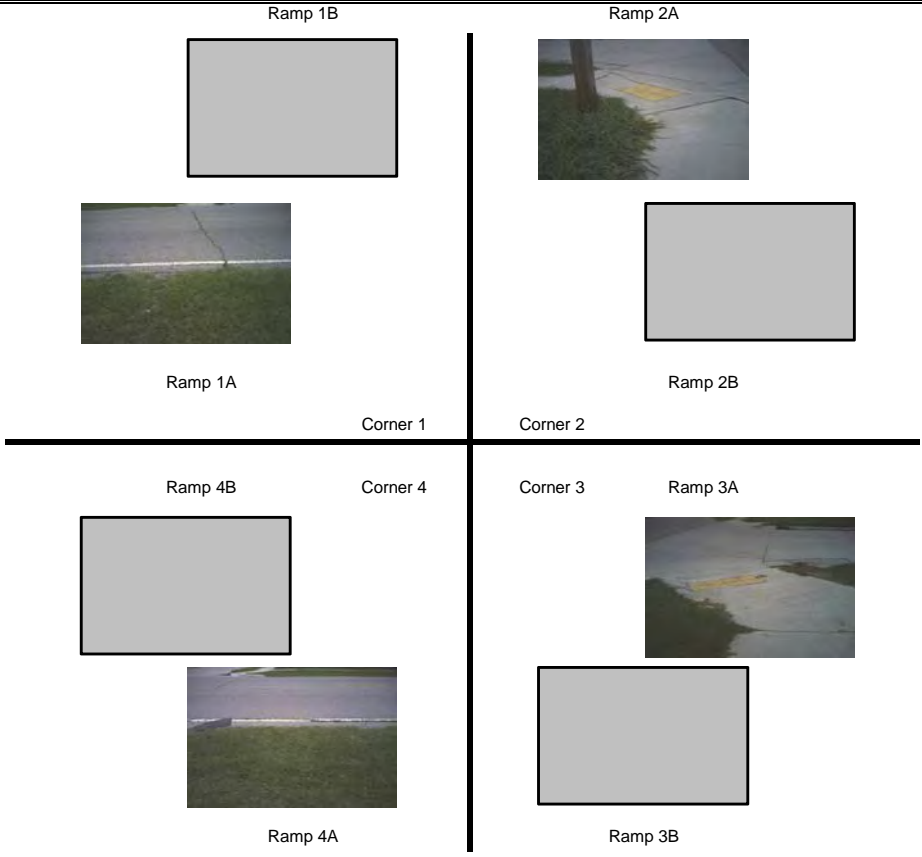
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 22nd St

GPS ID: 35023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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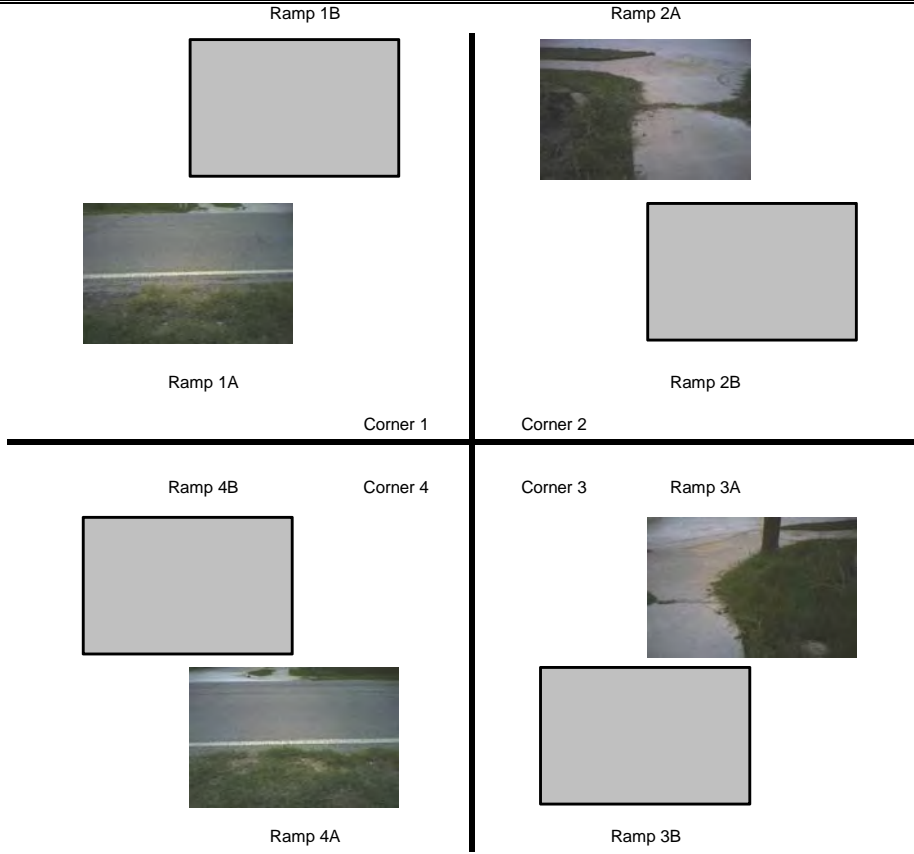
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%						X			Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area						X			
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 21st PI (west)

GPS ID: 35024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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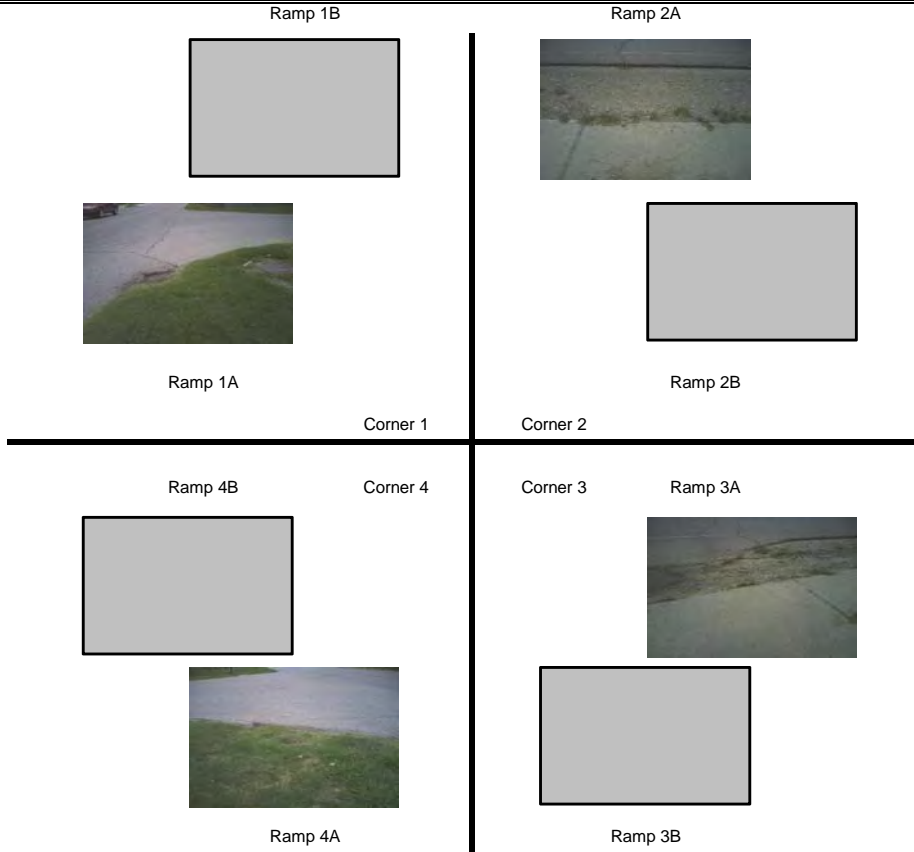
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 21st PI (east)

GPS ID: 35025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

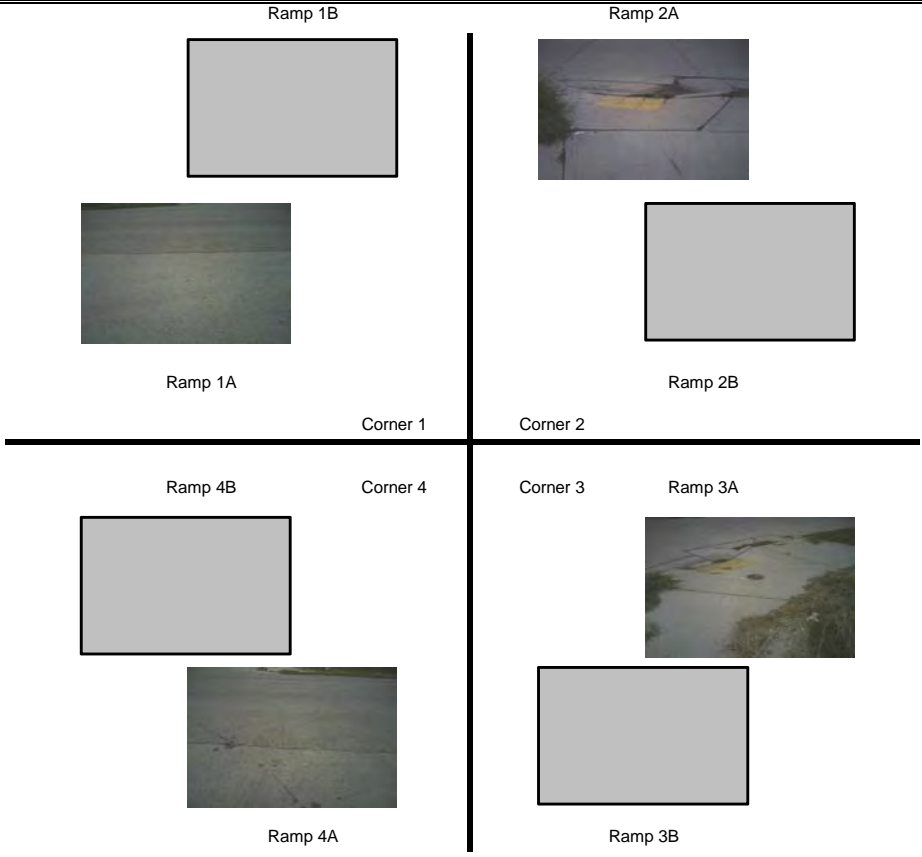
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 45th Pl

GPS ID: 35026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

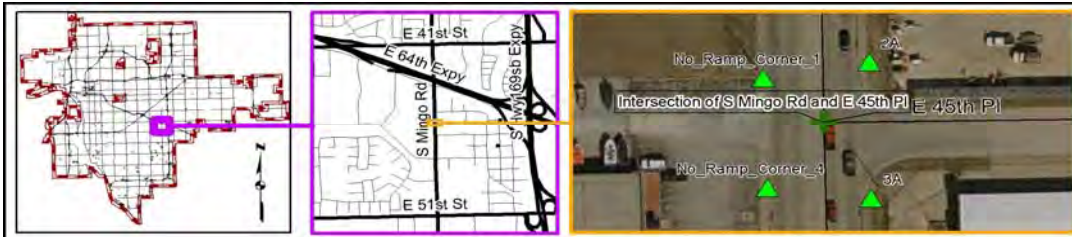
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

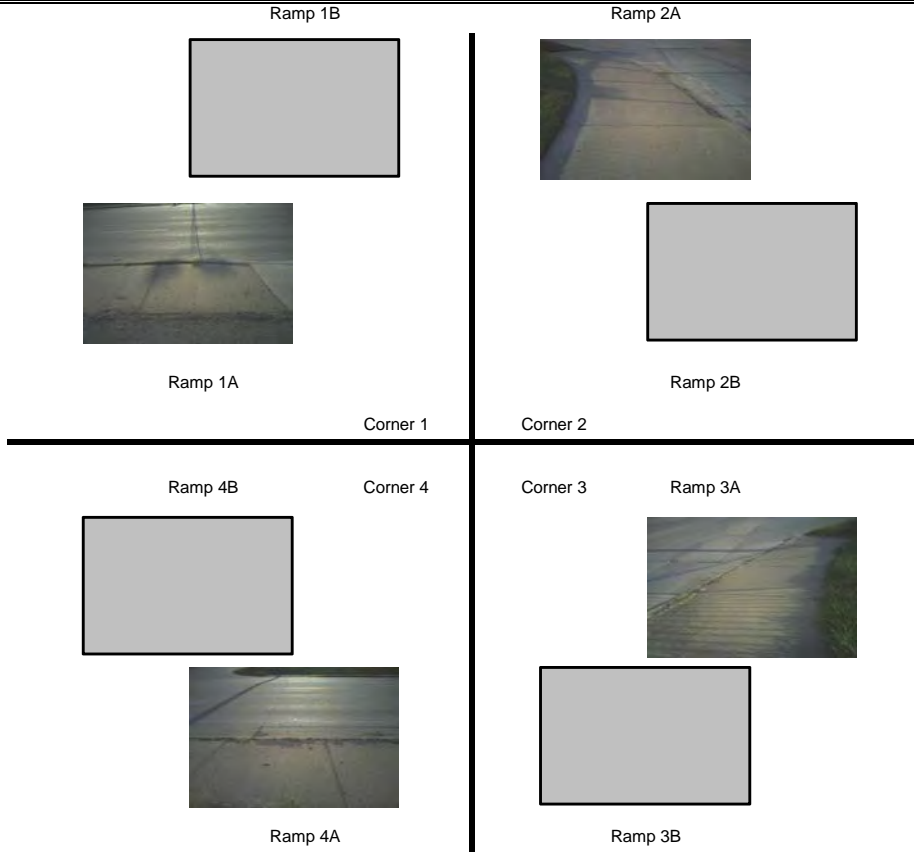
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 44th Pl

GPS ID: 35027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

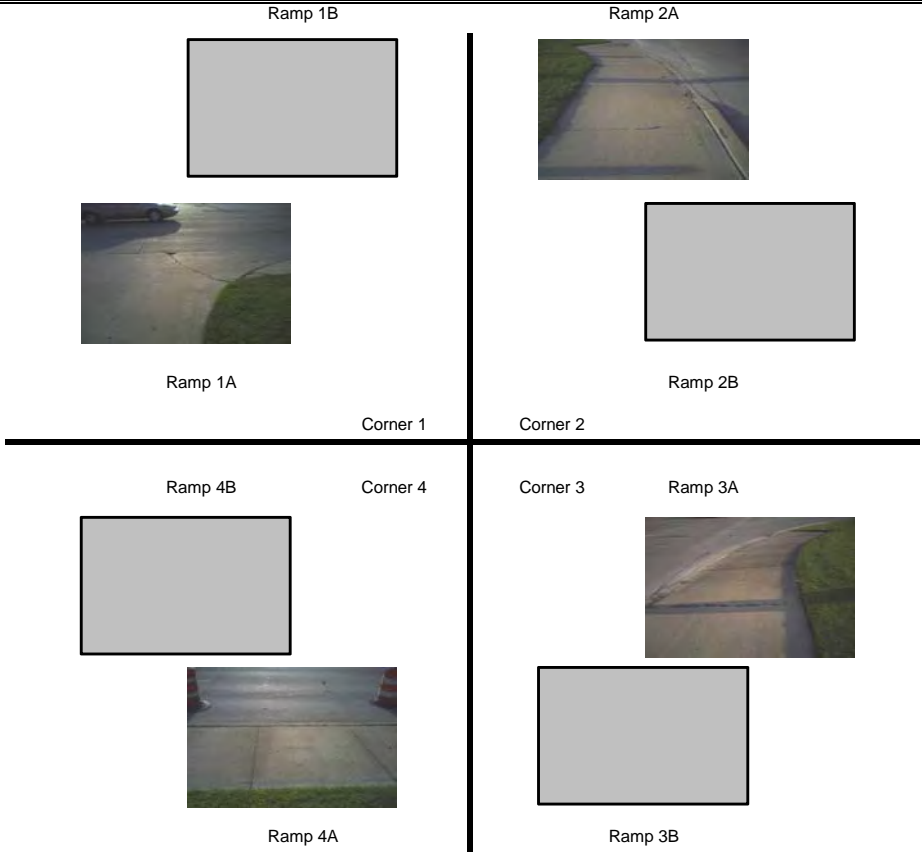
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 42nd St

GPS ID: 35028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,796.60
Engineering: (% +/-)	15%	\$ 1,801.46
Contingency: (% +/-)	20%	\$ 2,401.94
Estimated Project Cost:	\$	15,000.00

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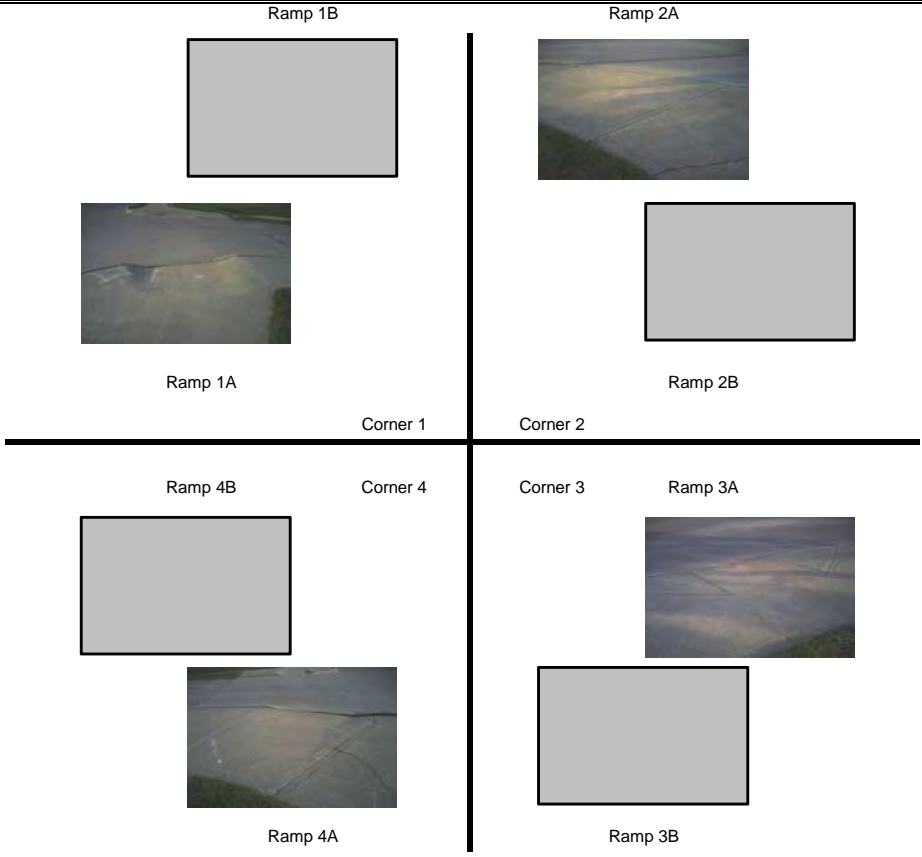
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at S Mingo Rd (north of E 34th St)

GPS ID: 35030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,777.60
Engineering: (% +/-)	15%	\$ 952.46
Contingency: (% +/-)	20%	\$ 1,269.94
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

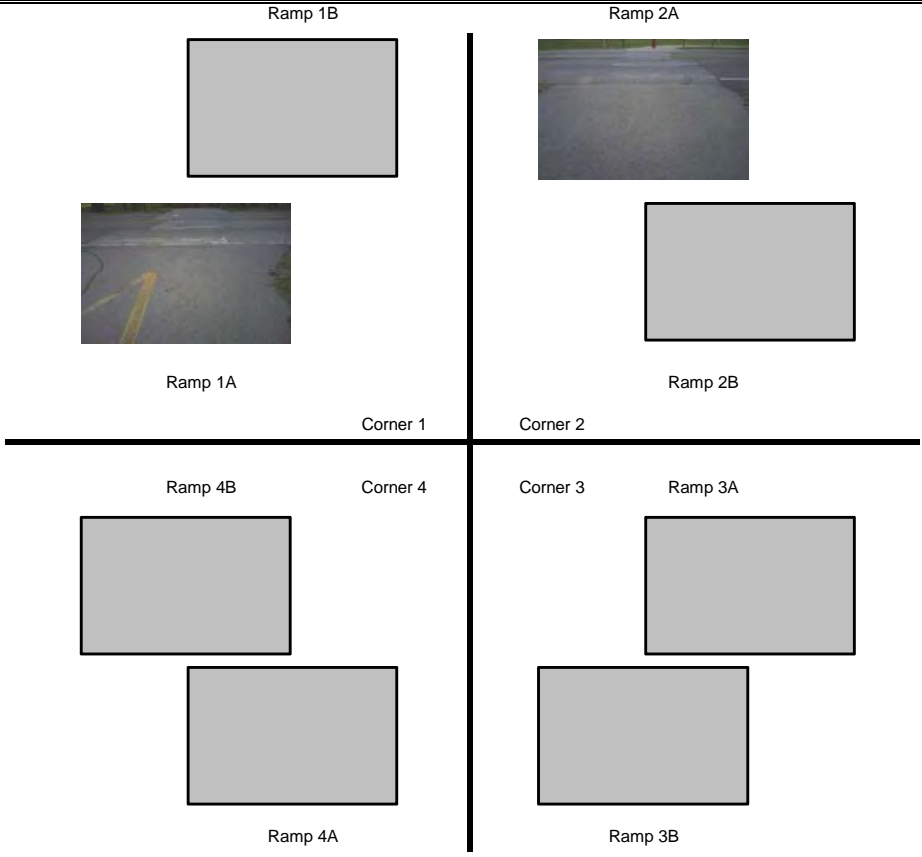
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 95th East Ave and S Mingo Rd

GPS ID: 35033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

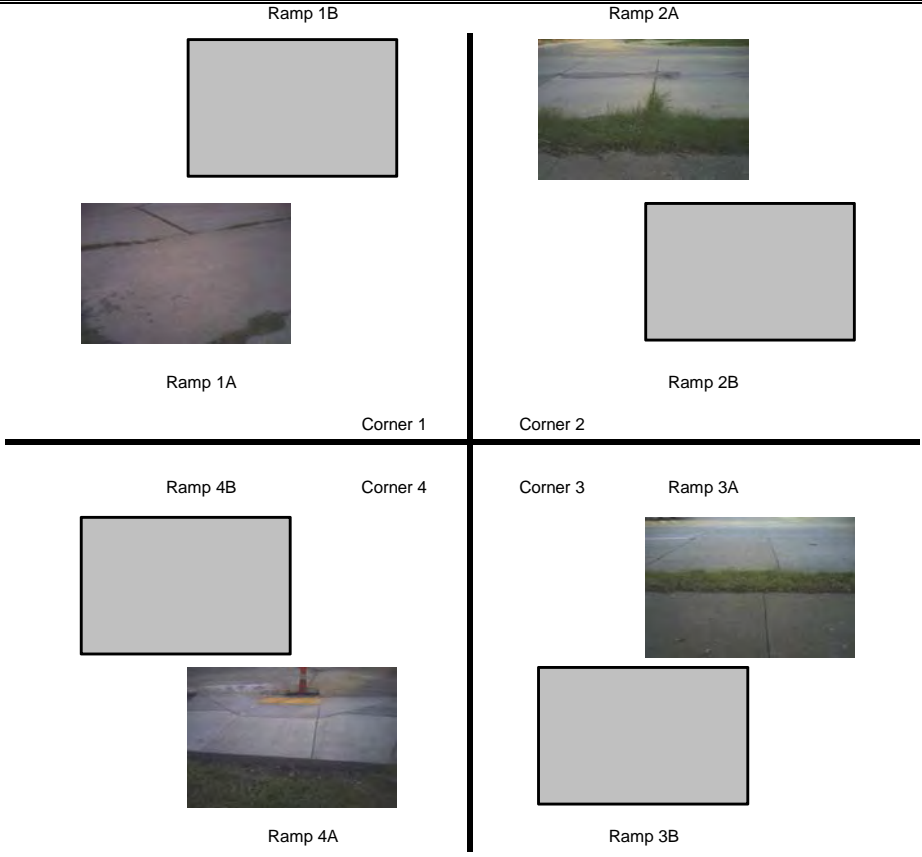
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and S 96th East Ave

GPS ID: 35034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

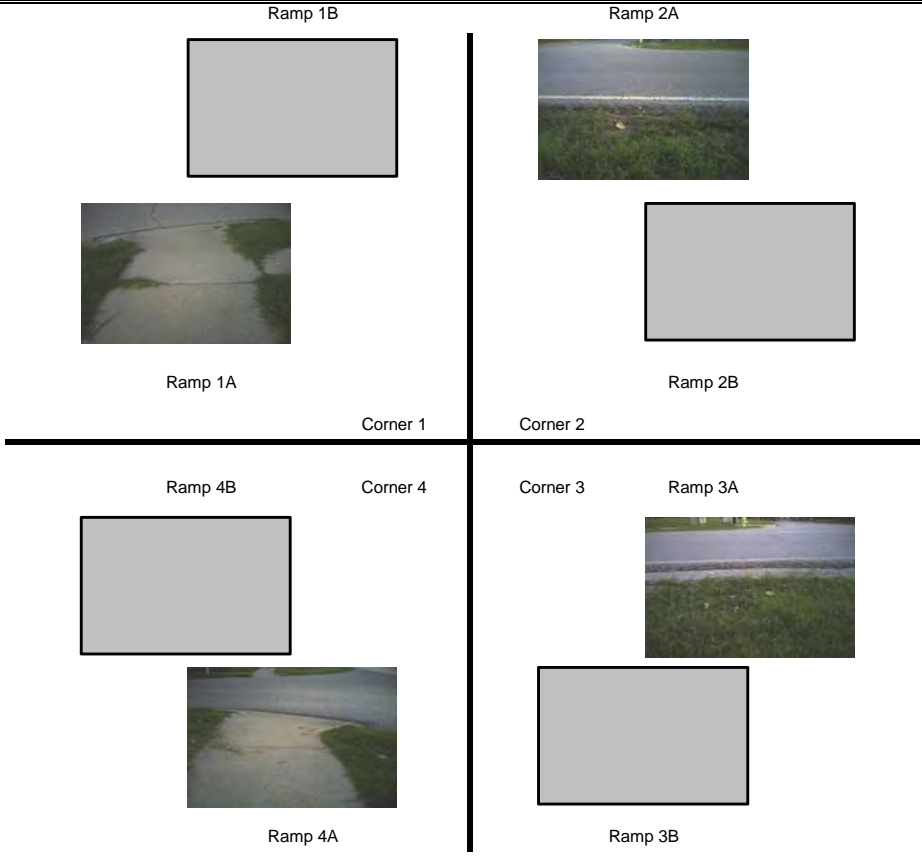
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 29th St

GPS ID: 35035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

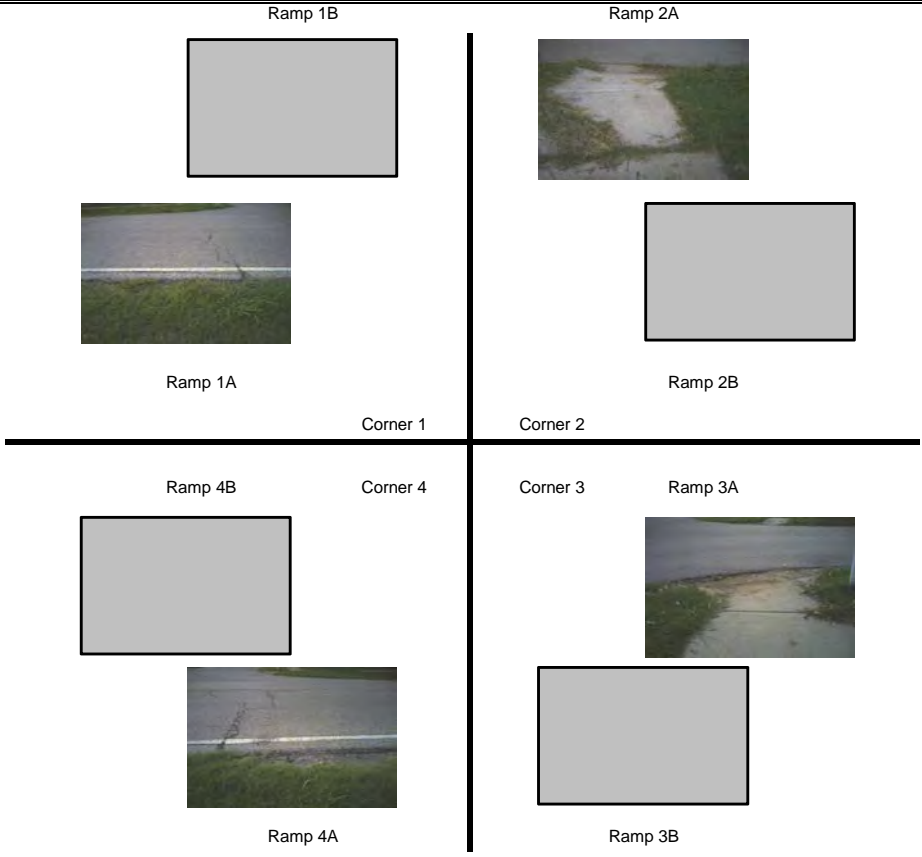
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 28th St (west)

GPS ID: 35036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 28th St (east)

GPS ID: 35037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

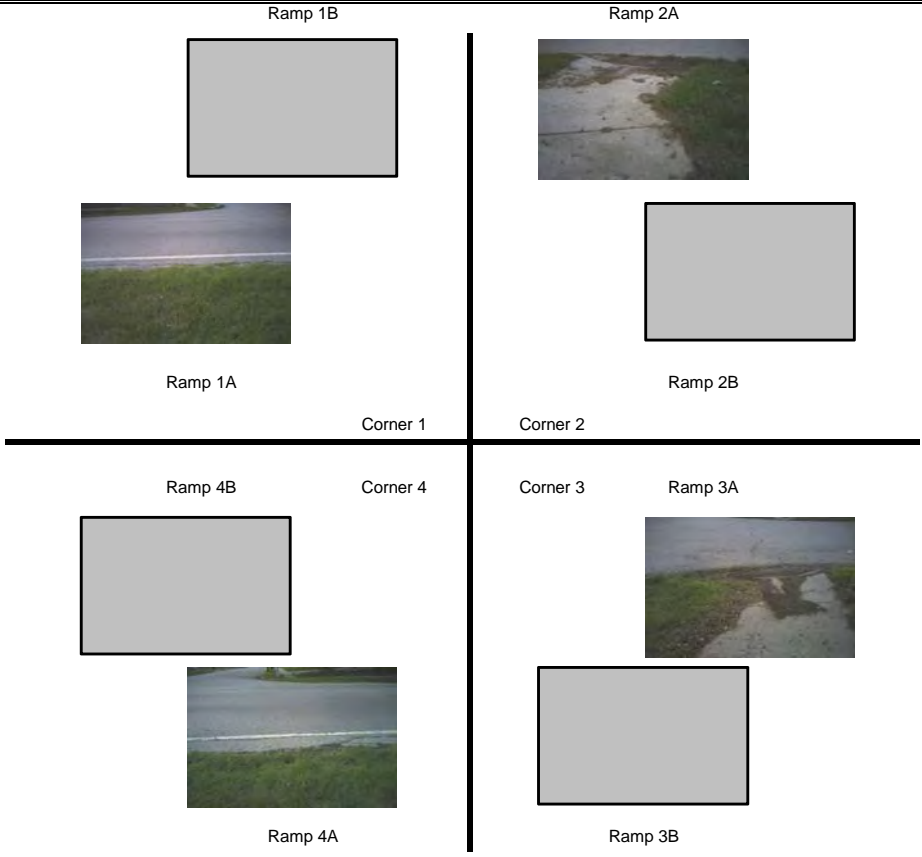
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and E 27th St

GPS ID: 35038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

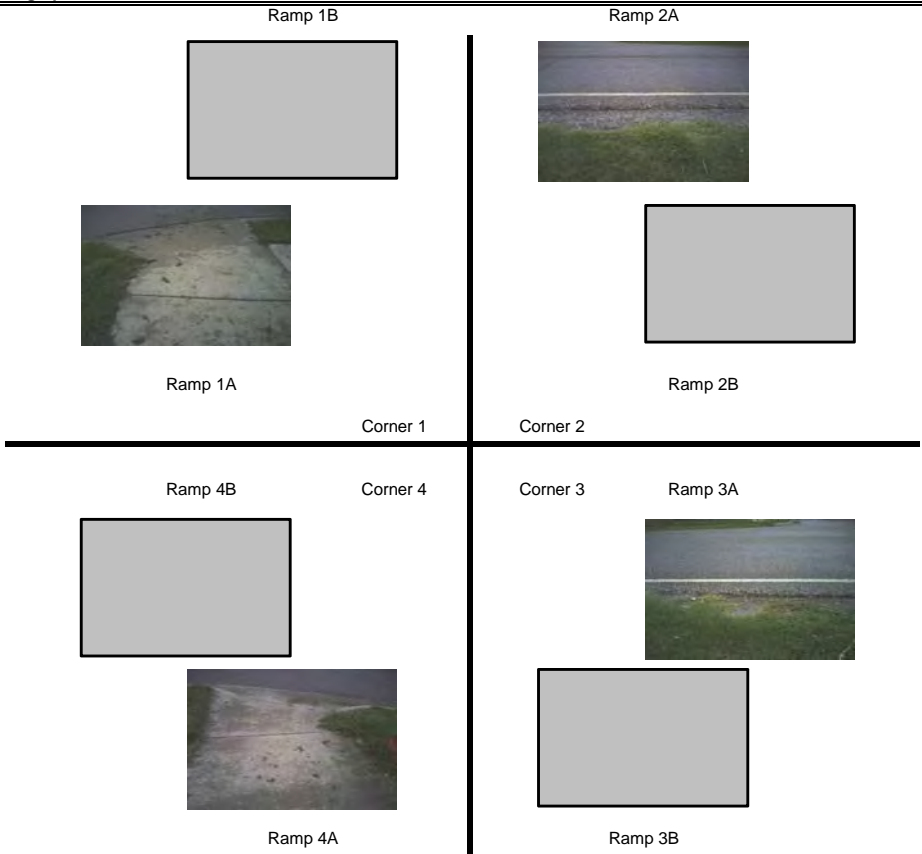
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Mingo Rd and S 101st East Ave

GPS ID: 35039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

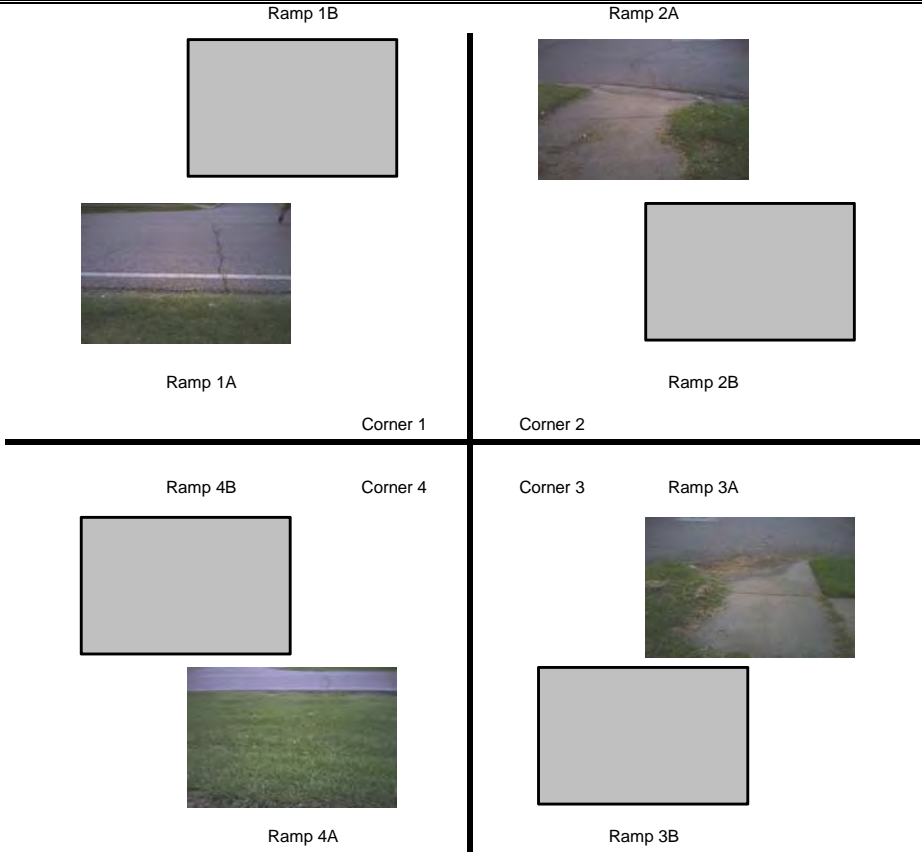
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 26th St (east)

GPS ID: 35040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at S 101st East Ave (north of E 26th St)

GPS ID: 35041A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,777.60
Engineering: (% +/-)	15%	\$ 952.46
Contingency: (% +/-)	20%	\$ 1,269.94
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

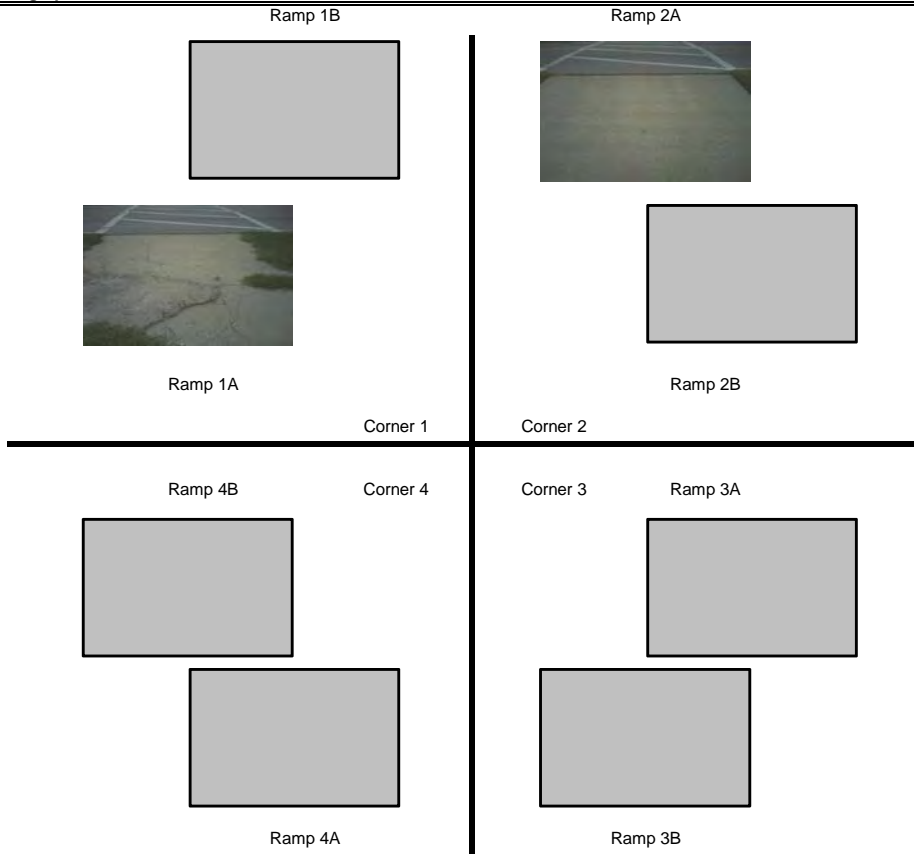
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 101st East Ave and E 26th St (west)

GPS ID: 35041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,232.60
Engineering: (% +/-)	15%	\$ 1,614.60
Contingency: (% +/-)	20%	\$ 2,152.80
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

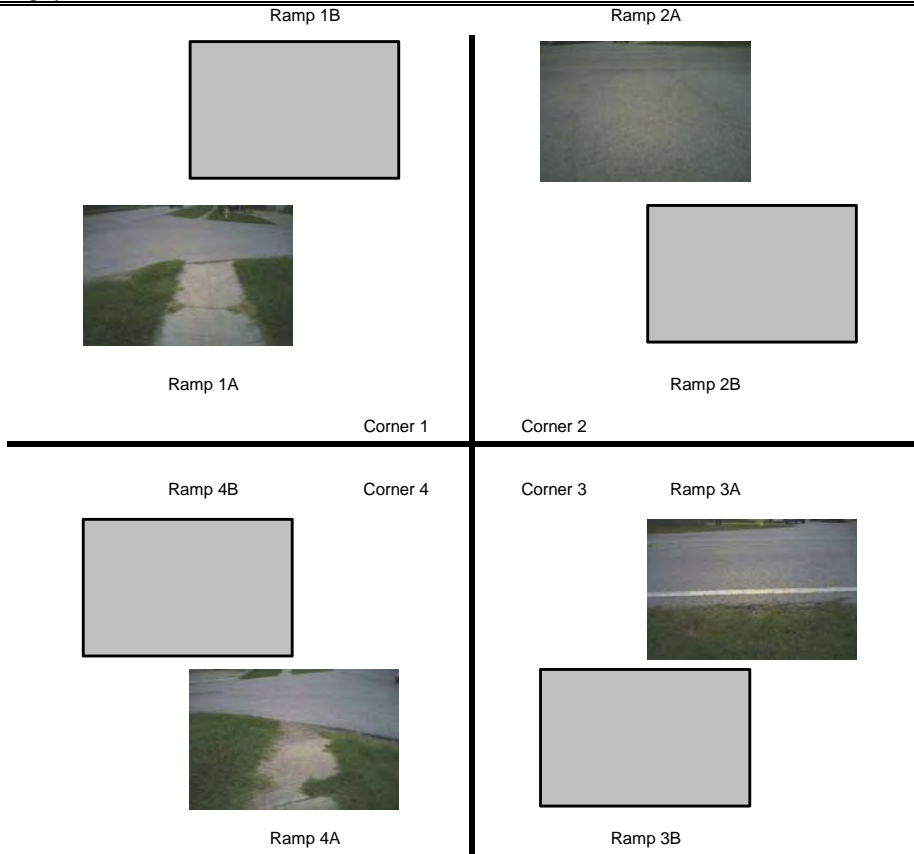
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 68th St

GPS ID: 36000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

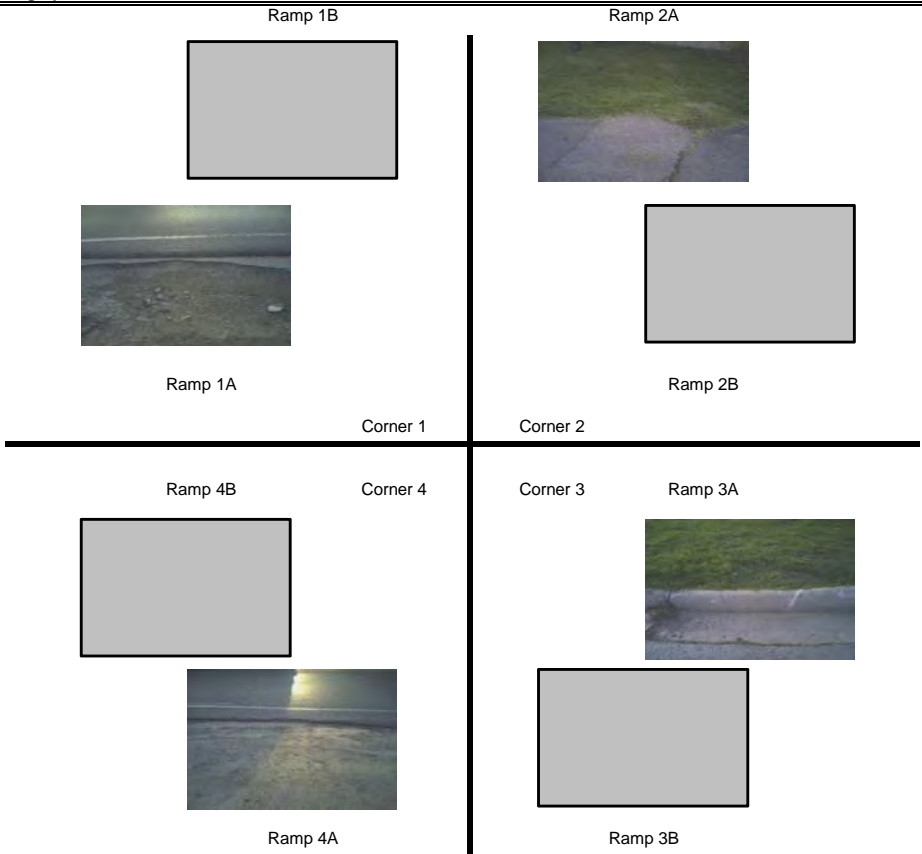
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 67th St

GPS ID: 36001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$	1,158.17
Contingency: (% +/-)	20%	\$	1,544.23
Estimated Project Cost:	\$	\$	8,000.00

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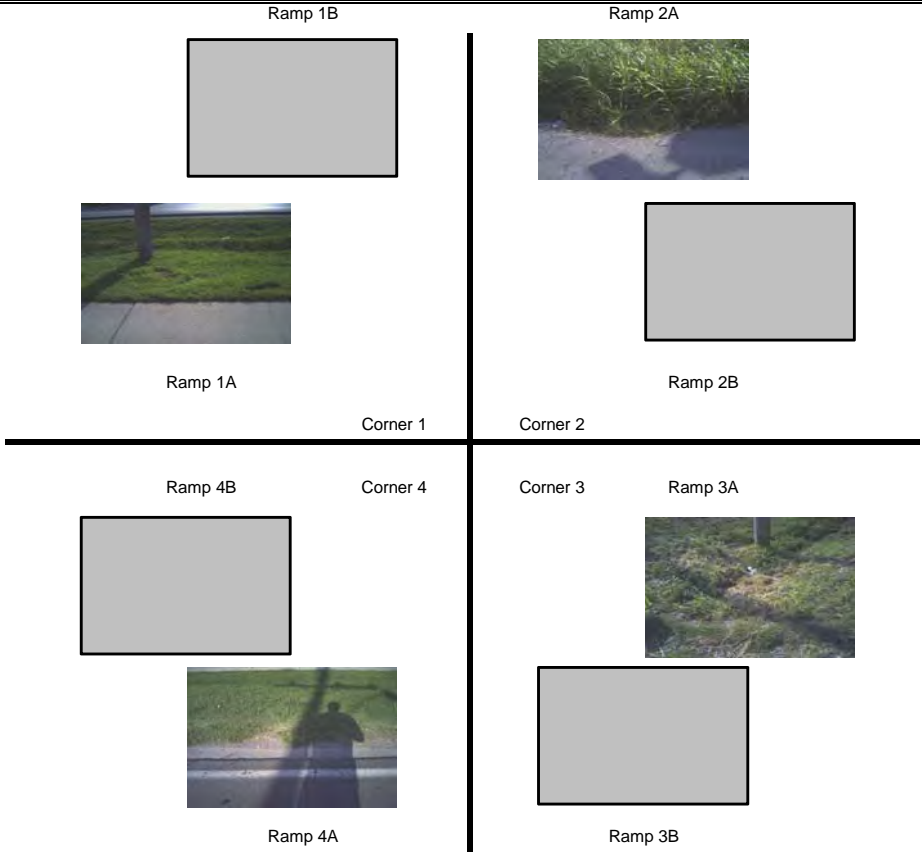
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 66th PI

GPS ID: 36002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,352.60
Engineering: (% +/-)	15%	\$ 1,991.74
Contingency: (% +/-)	20%	\$ 2,655.66
Estimated Project Cost:	\$	16,000.00

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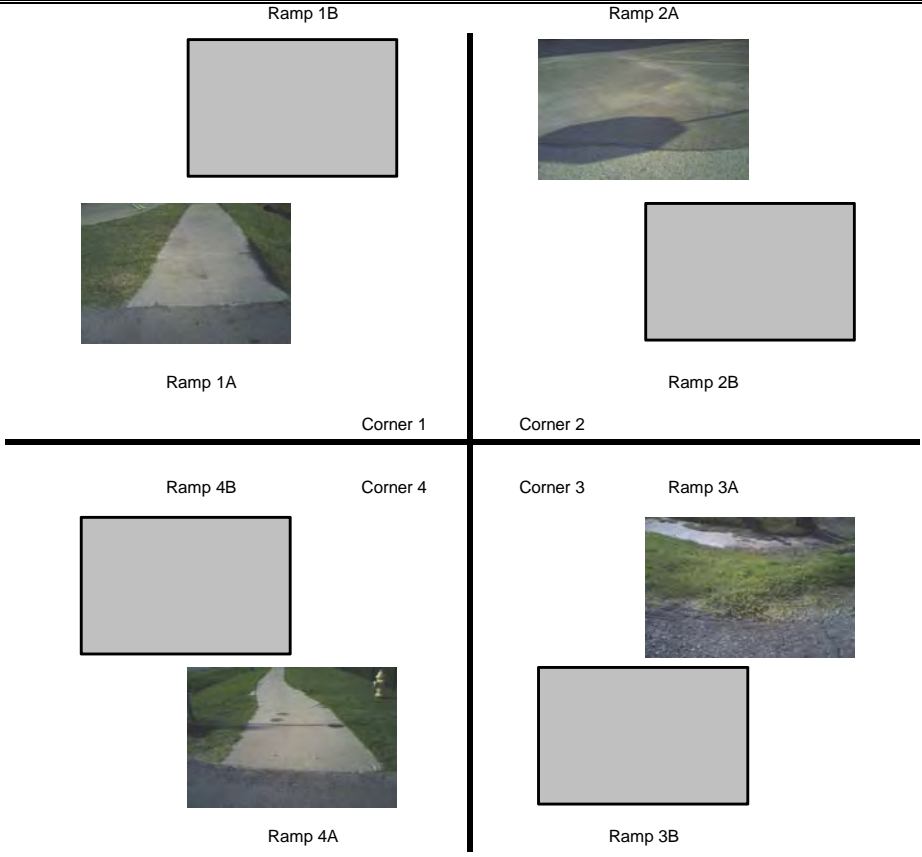
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 64th St (east)

GPS ID: 36003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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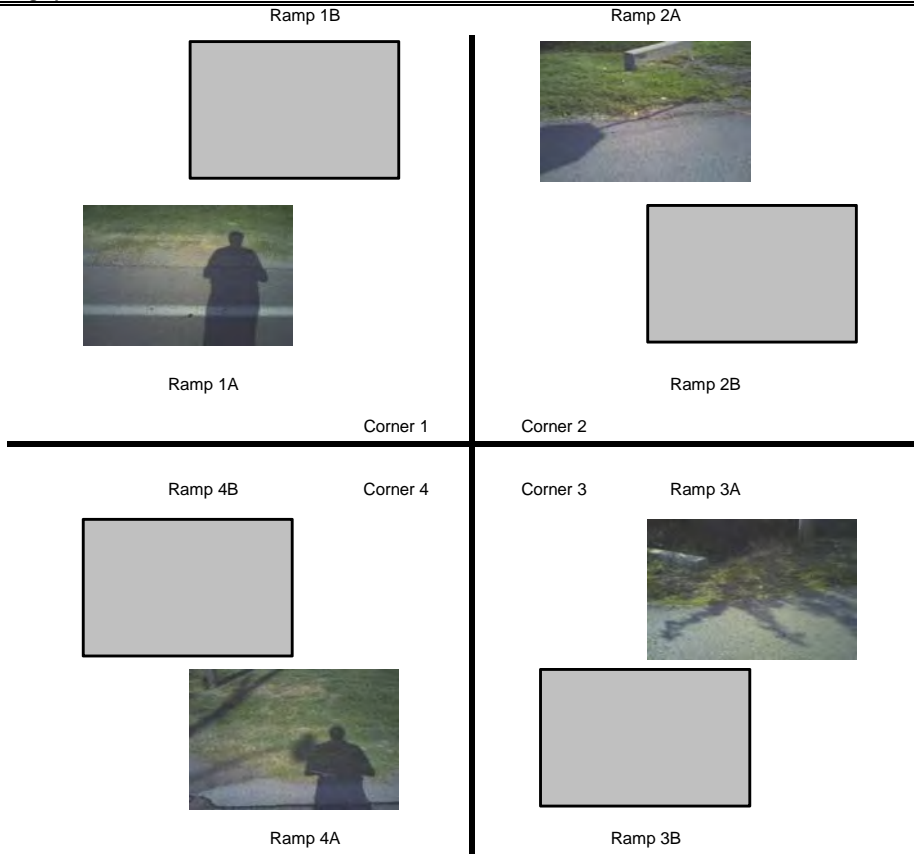
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 64th St (west) GPS ID: 36004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	11,061.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,687.97
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,250.63
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

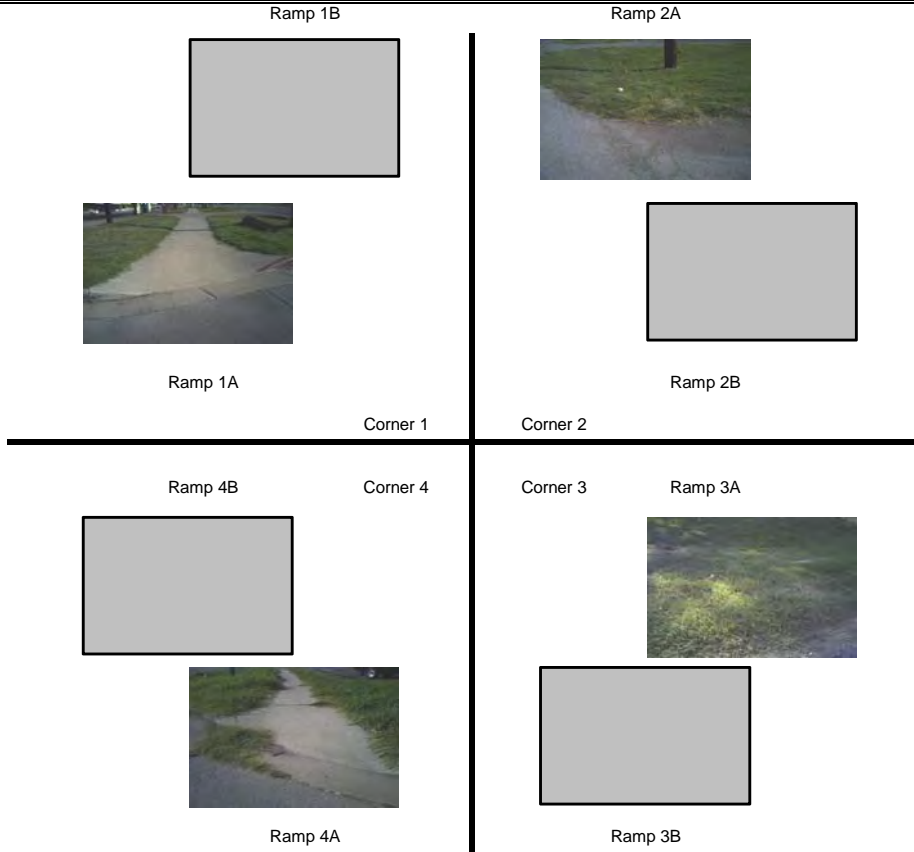
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 8/16/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 63rd St

GPS ID: 36005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,622.00
Engineering: (% +/-)	15%	\$ 1,447.71
Contingency: (% +/-)	20%	\$ 1,930.29
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

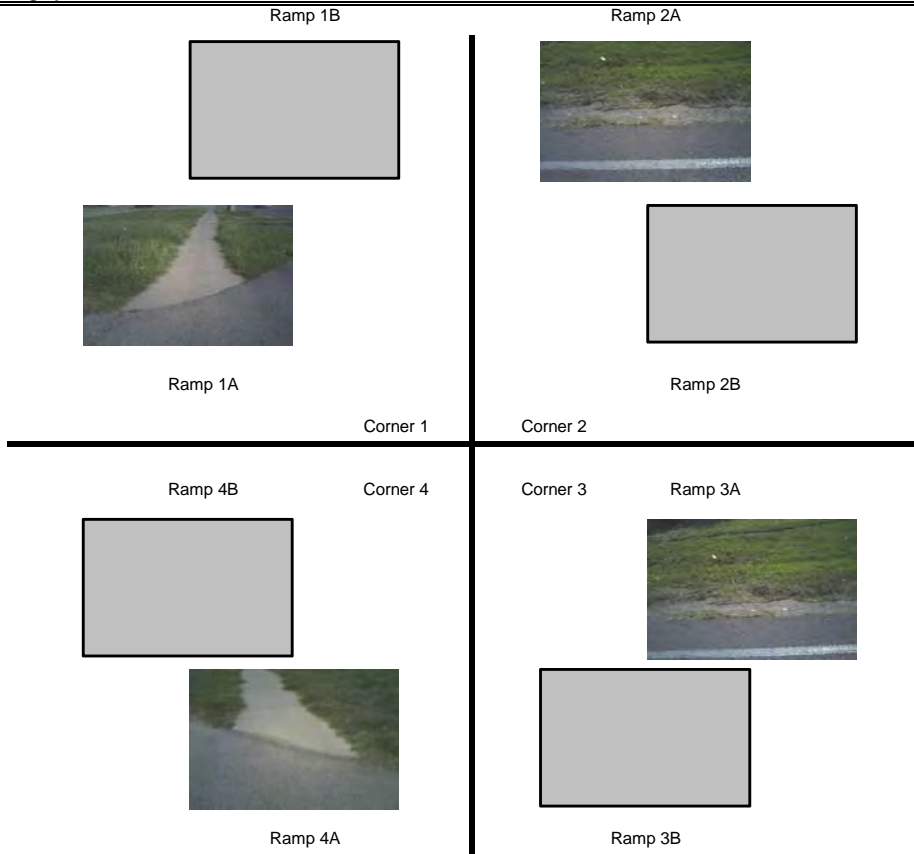
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 8/16/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 62nd St

GPS ID: 36006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

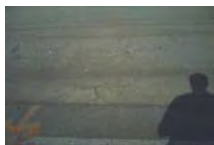
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 60th St

GPS ID: 36007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,489.00
Engineering: (% +/-)	15%	\$ 1,933.29
Contingency: (% +/-)	20%	\$ 2,577.71
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 58th St

GPS ID: 36008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,171.80
Engineering: (% +/-)	15%	\$ 2,497.80
Contingency: (% +/-)	20%	\$ 3,330.40
Estimated Project Cost:	\$	21,000.00

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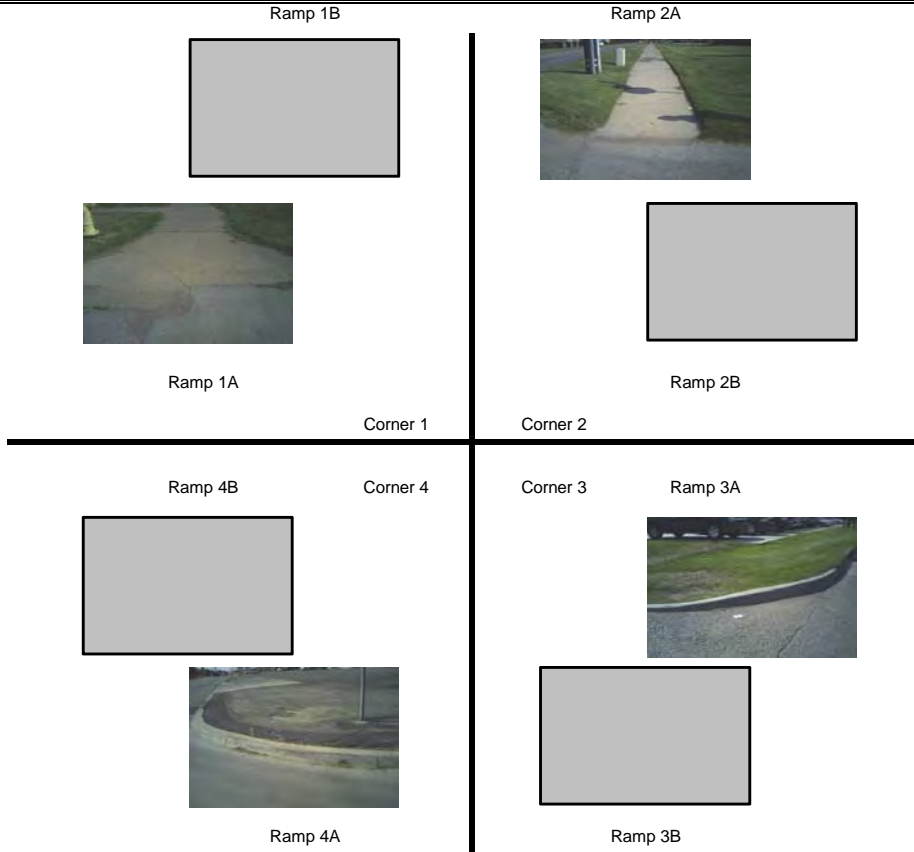
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 57th PI GPS ID: 36009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	11,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,088.69
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,784.91
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	16,000.00

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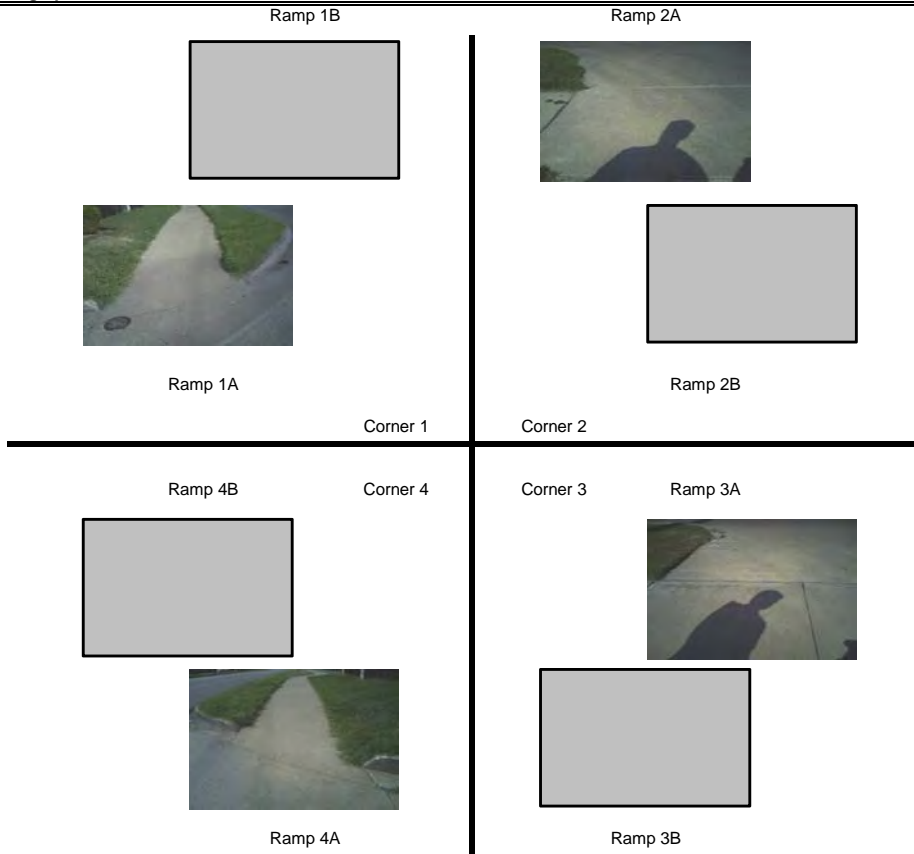
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 55th PI GPS ID: 36010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	520.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 205.71
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20% \$ 274.29
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	1,000.00

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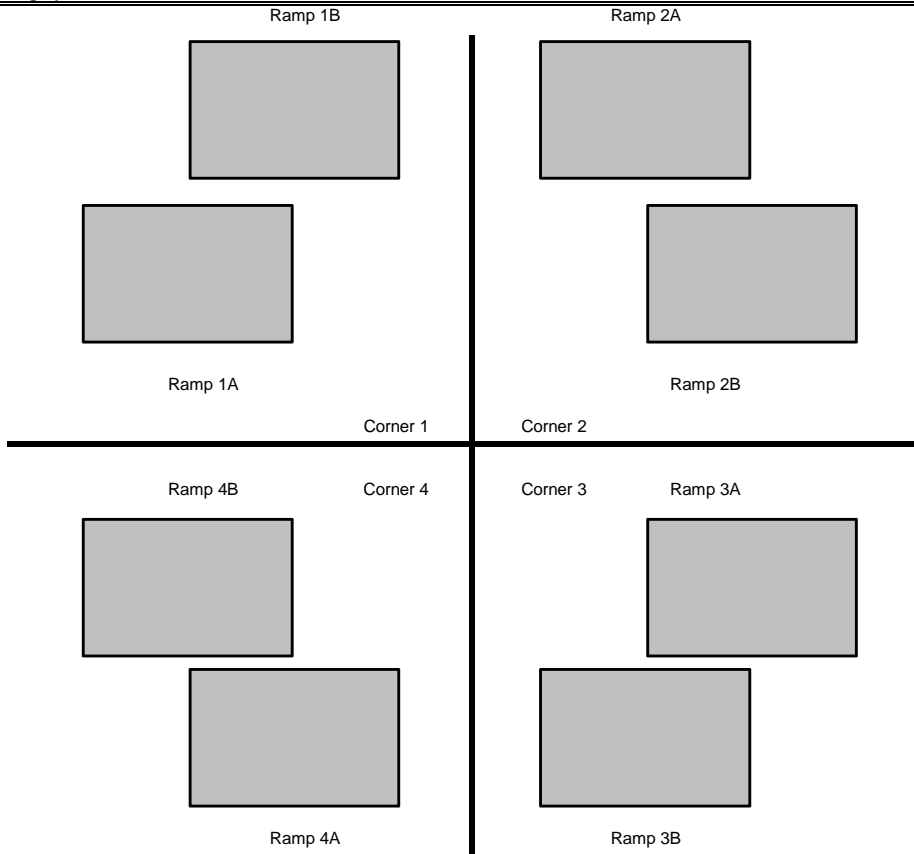
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 55th St and S Peoria Ave

GPS ID: 36011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,489.00
Engineering: (% +/-)	15%	\$ 2,790.43
Contingency: (% +/-)	20%	\$ 3,720.57
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 49th PI

GPS ID: 36012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,052.90
Engineering: (% +/-)	15%	\$ 3,405.90
Contingency: (% +/-)	20%	\$ 4,541.20
Estimated Project Cost:	\$	29,000.00

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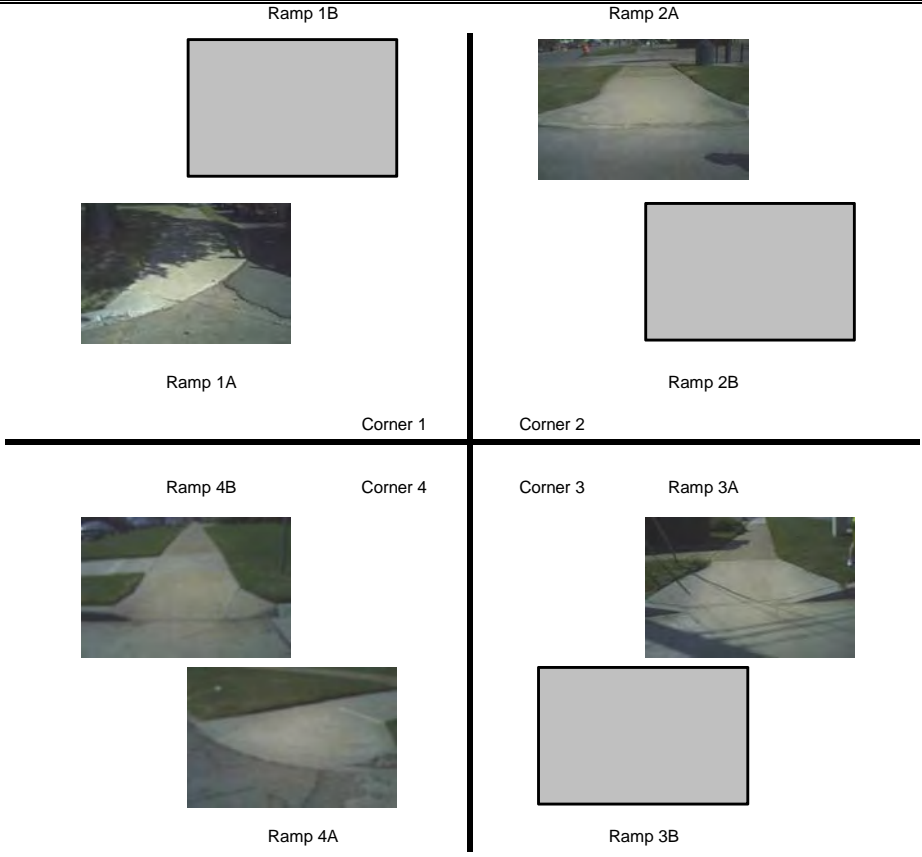
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%			X		X			X	
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry								X	Remove ramp
Ramp Priority:	H		H		H			M	H



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 49th St

GPS ID: 36013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,122.80
Engineering: (% +/-)	15%	\$ 3,804.51
Contingency: (% +/-)	20%	\$ 5,072.69
Estimated Project Cost:	\$	34,000.00

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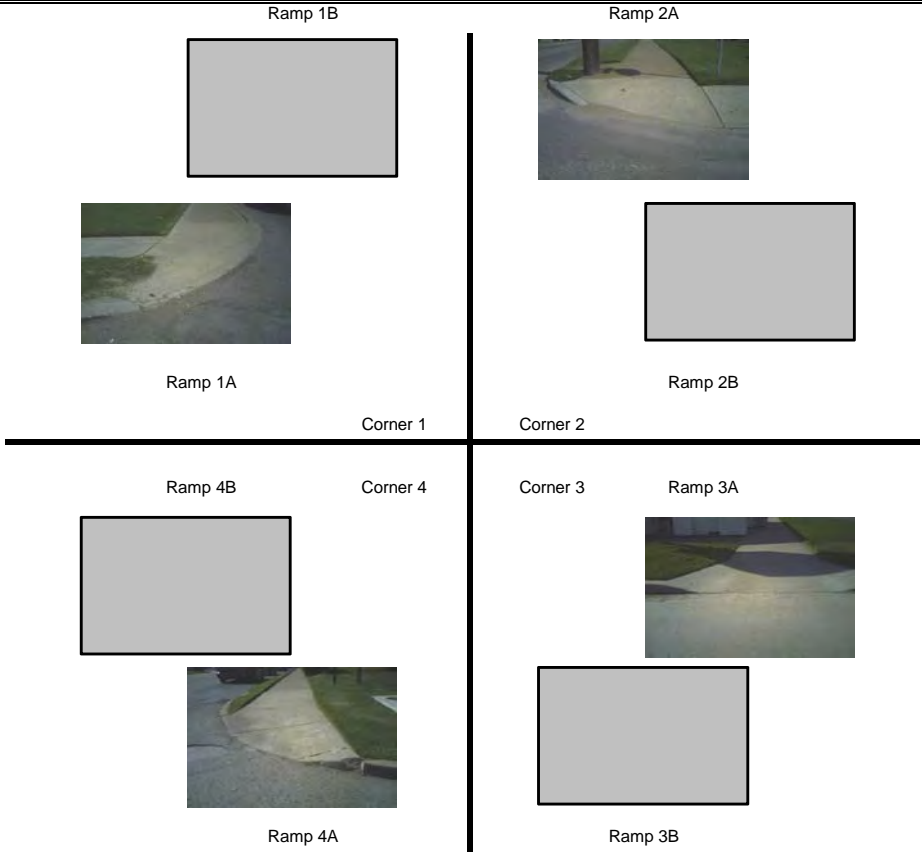
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X				X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 48th St (west)

GPS ID: 36014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

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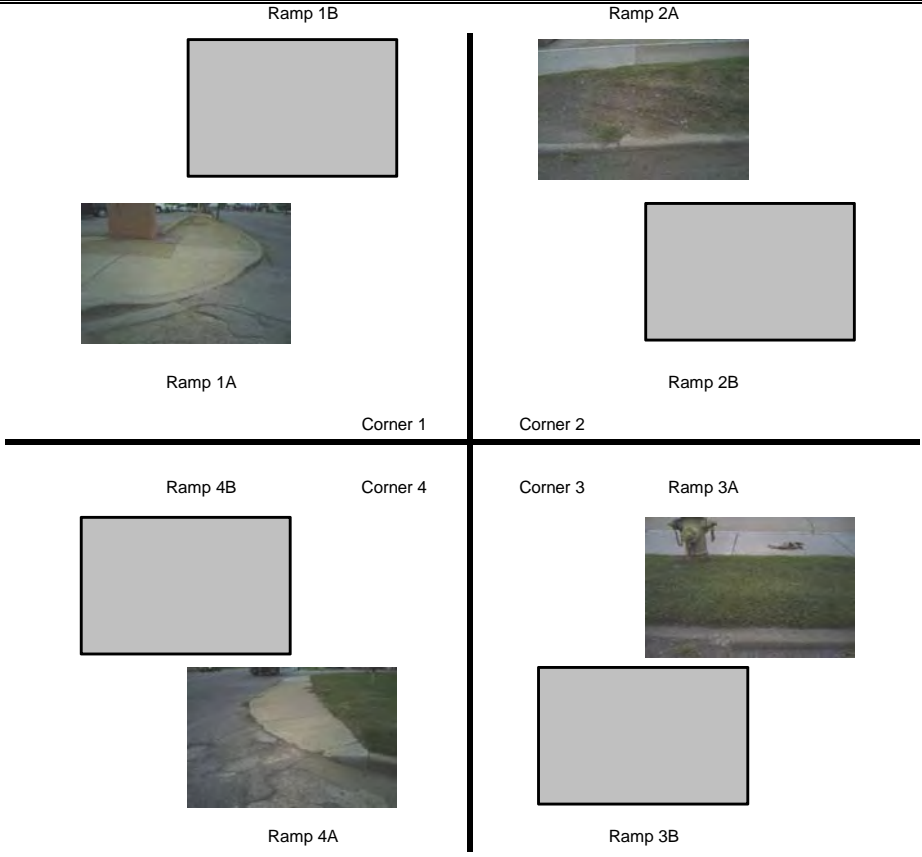
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	8,558.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,475.06
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,966.74
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M	M					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 46th St

GPS ID: 36016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

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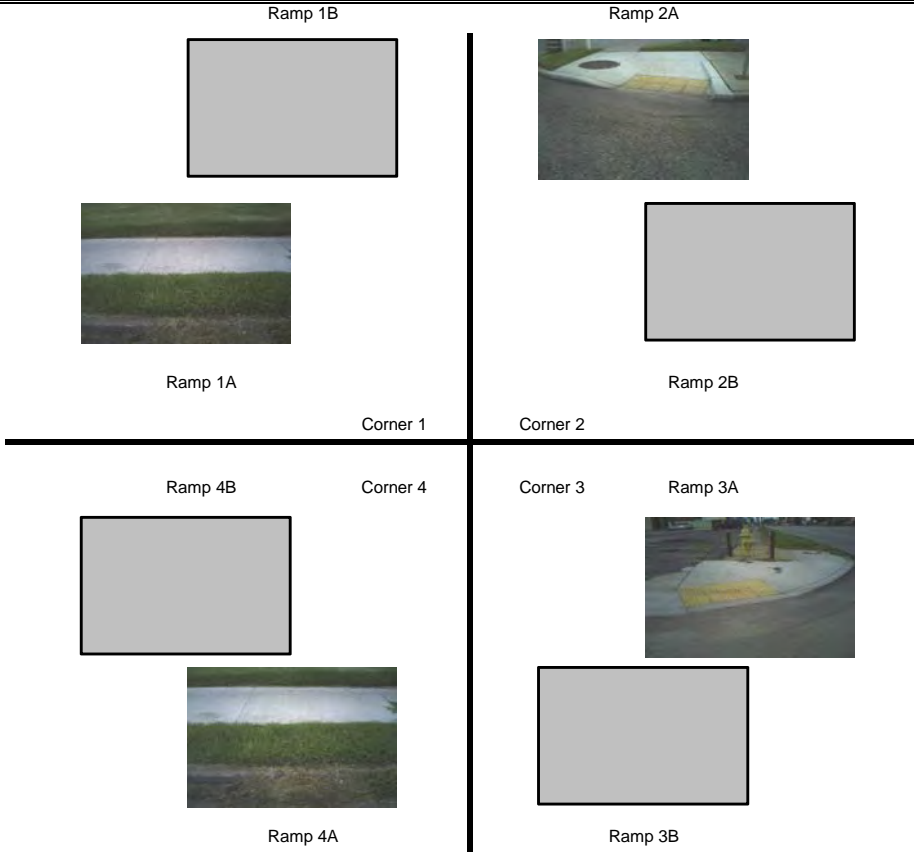
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal: \$	11,509.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,924.63
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20% \$ 2,566.17
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	16,000.00

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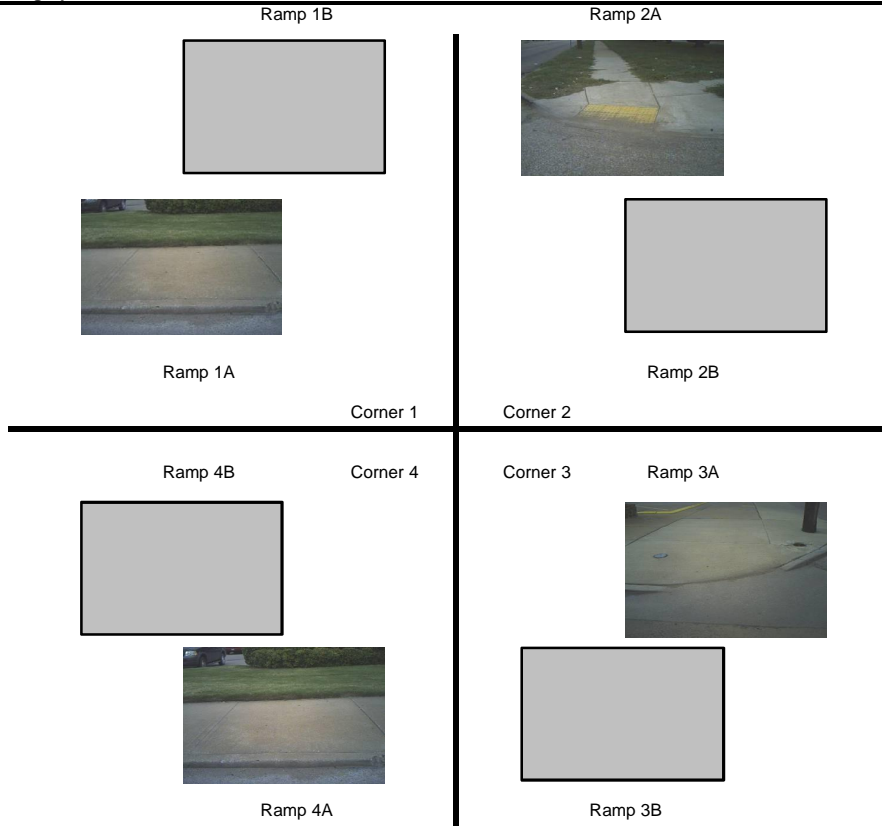
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M	M					



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 44th PI GPS ID: 36018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	12,061.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,822.06
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	17,000.00

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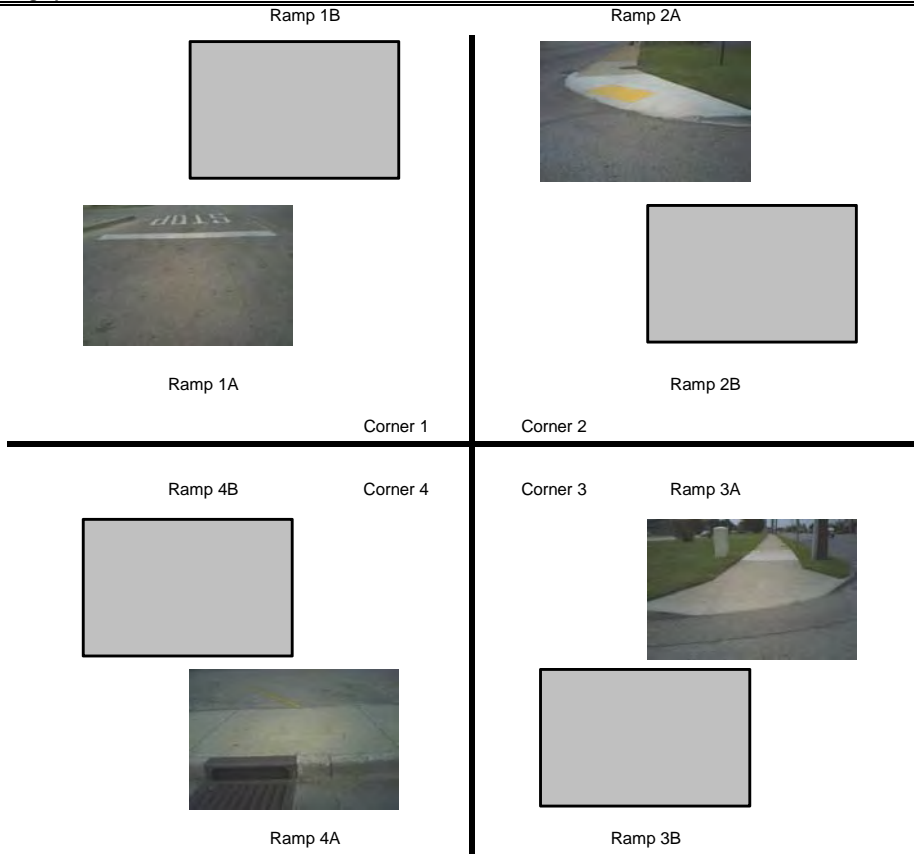
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 43rd Ct

GPS ID: 36019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,386.40
Engineering: (% +/-)	15%	\$ 1,977.26
Contingency: (% +/-)	20%	\$ 2,636.34
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

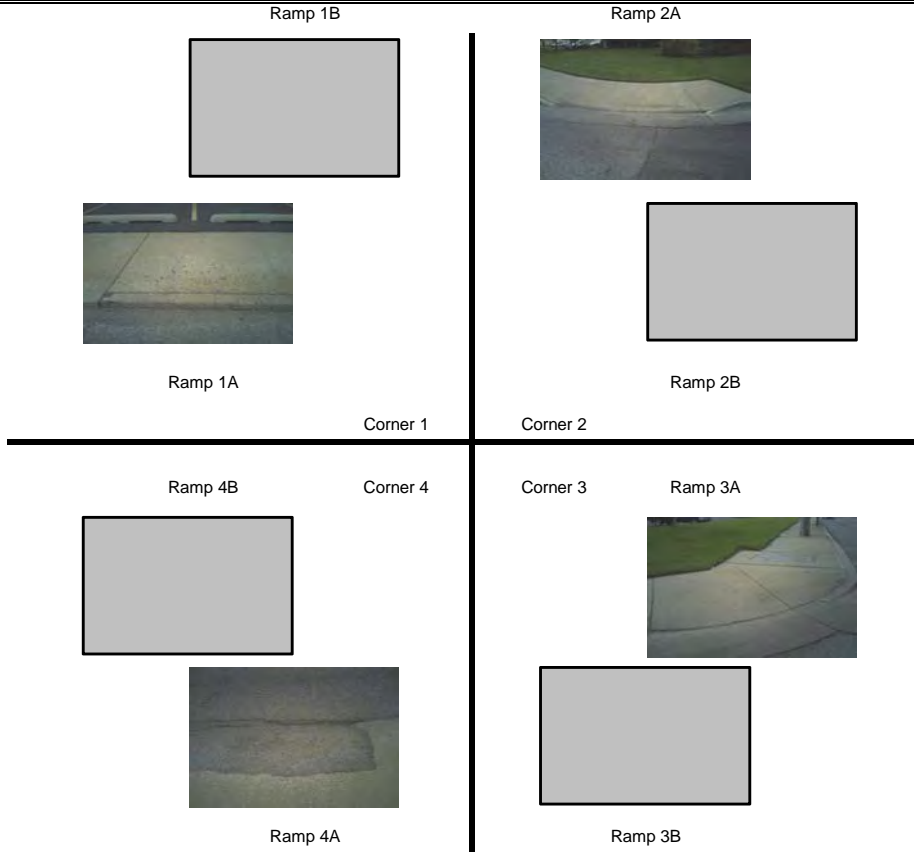
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 43rd St and S Peoria Ave

GPS ID: 36019A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	Remove and replace ramp
Ramp cross slope is greater than 2%	X							X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp								X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 42nd Pl

GPS ID: 36020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

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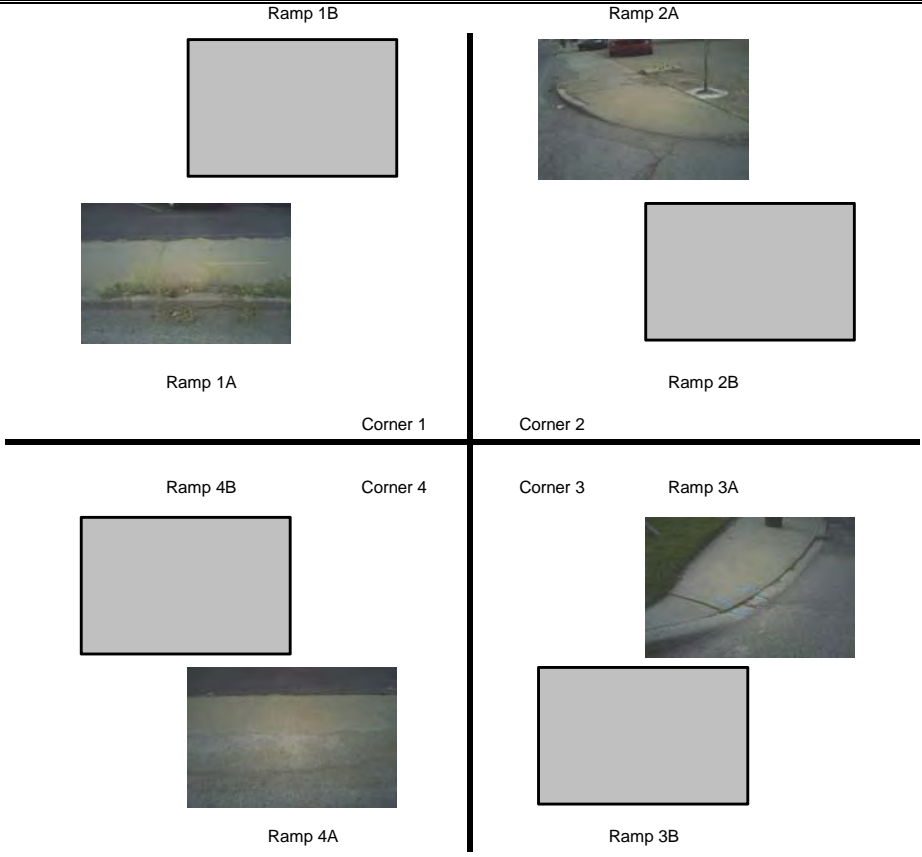
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X		X				
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 42nd St and S Peoria Ave

GPS ID: 36021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,187.80
Engineering: (% +/-)	15%	\$ 2,919.51
Contingency: (% +/-)	20%	\$ 3,892.69
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

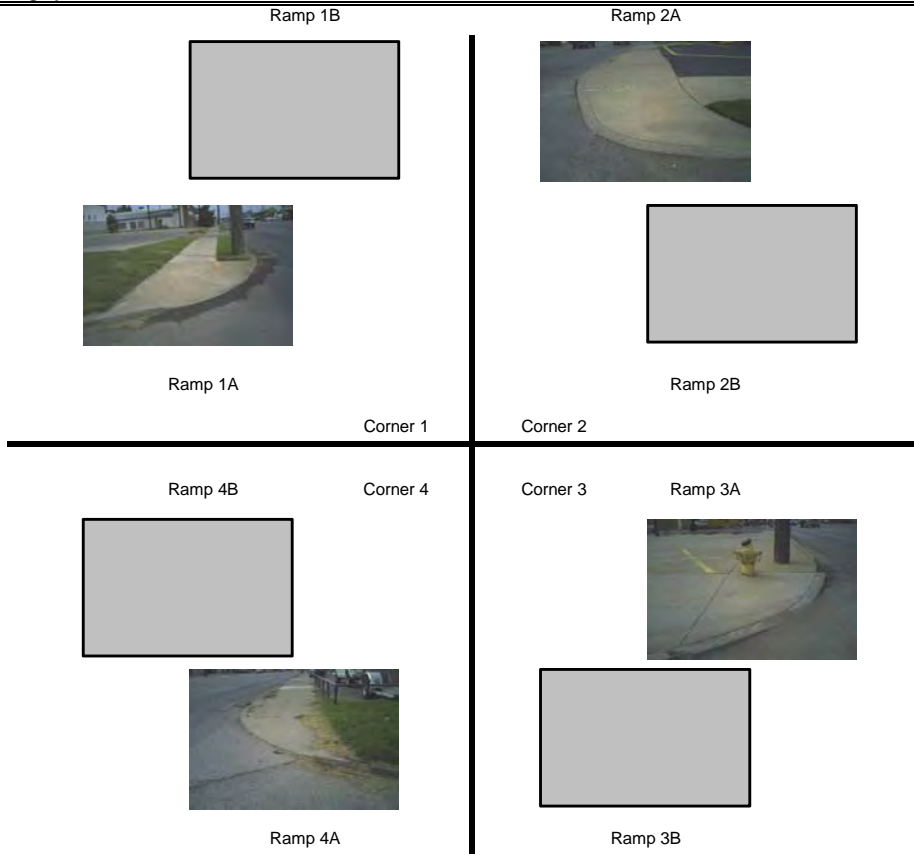
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H		M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal: \$	12,061.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20% \$ 2,822.06
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M	M					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 39th St

GPS ID: 36023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,362.90
Engineering: (% +/-)	15%	\$ 3,273.04
Contingency: (% +/-)	20%	\$ 4,364.06
Estimated Project Cost:	\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

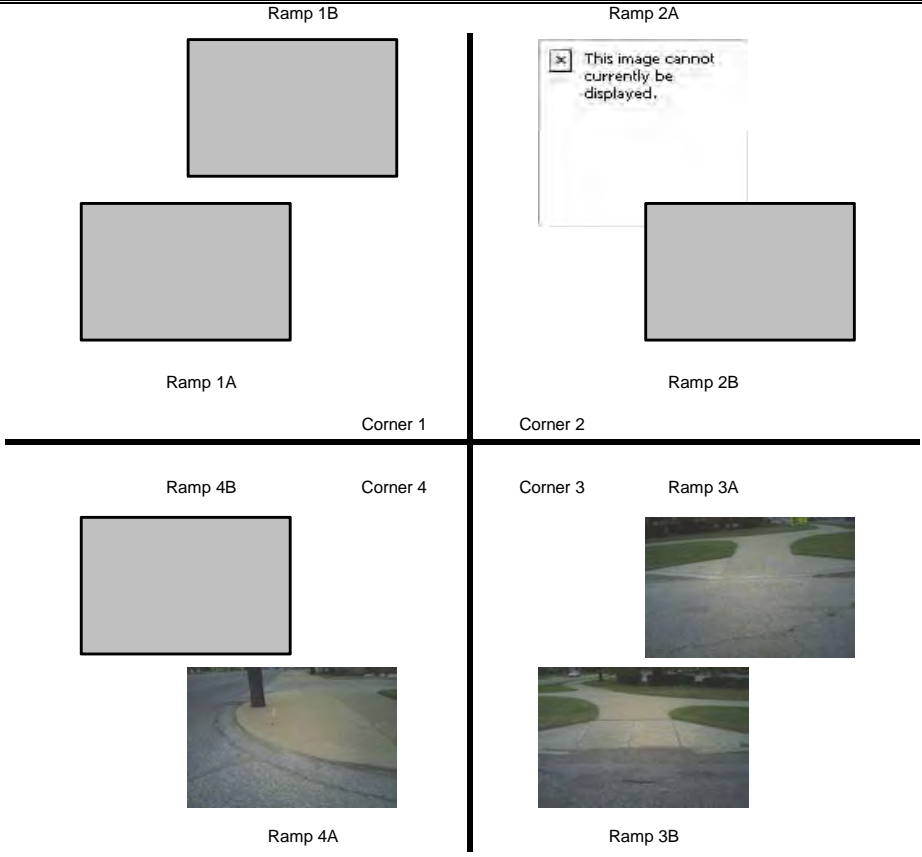
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				Remove and replace ramp
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X	X	X	
No color contrast at base of ramp					X	X	X	X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Remove ramp
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Remove ramp
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry								X	Remove ramp
Ramp Priority:					M	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 38th PI

GPS ID: 36024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,728.20
Engineering: (% +/-)	15%	\$ 1,830.77
Contingency: (% +/-)	20%	\$ 2,441.03
Estimated Project Cost:	\$	15,000.00

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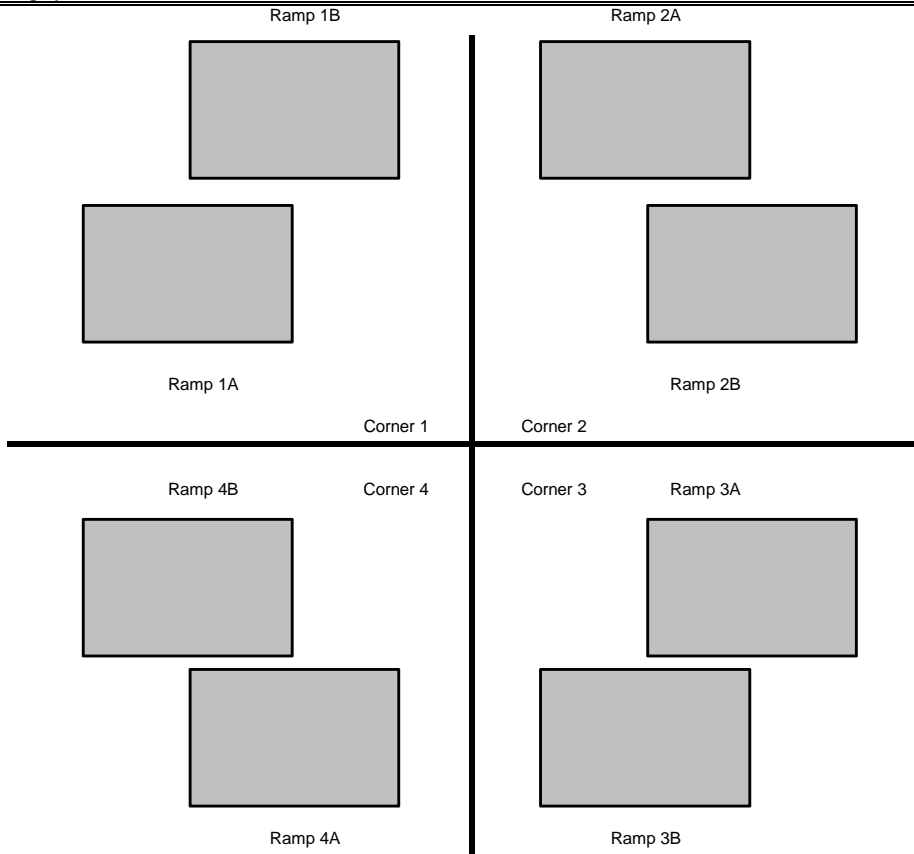
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	Yes	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist				X					
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 38th St and S Peoria Ave

GPS ID: 36025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,310.60
Engineering: (% +/-)	15%	\$ 3,295.46
Contingency: (% +/-)	20%	\$ 4,393.94
Estimated Project Cost:	\$	28,000.00

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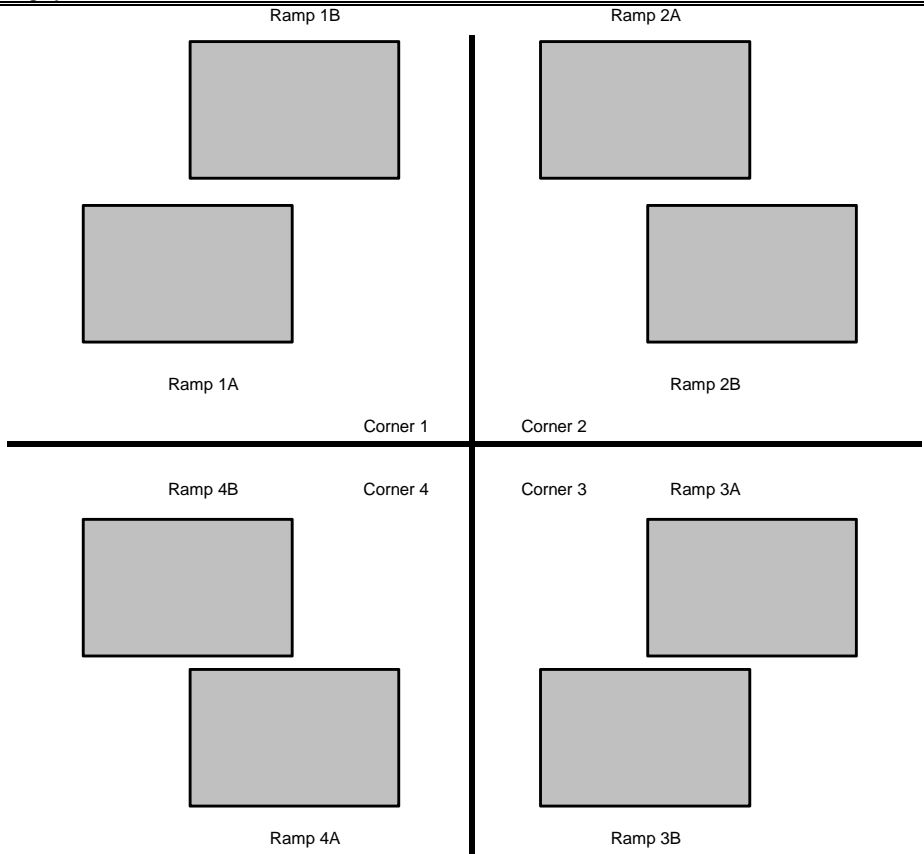
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	L		M		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 37th Pl and S Peoria Ave

GPS ID: 36026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,985.60
Engineering: (% +/-)	15%	\$ 2,577.60
Contingency: (% +/-)	20%	\$ 3,436.80
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

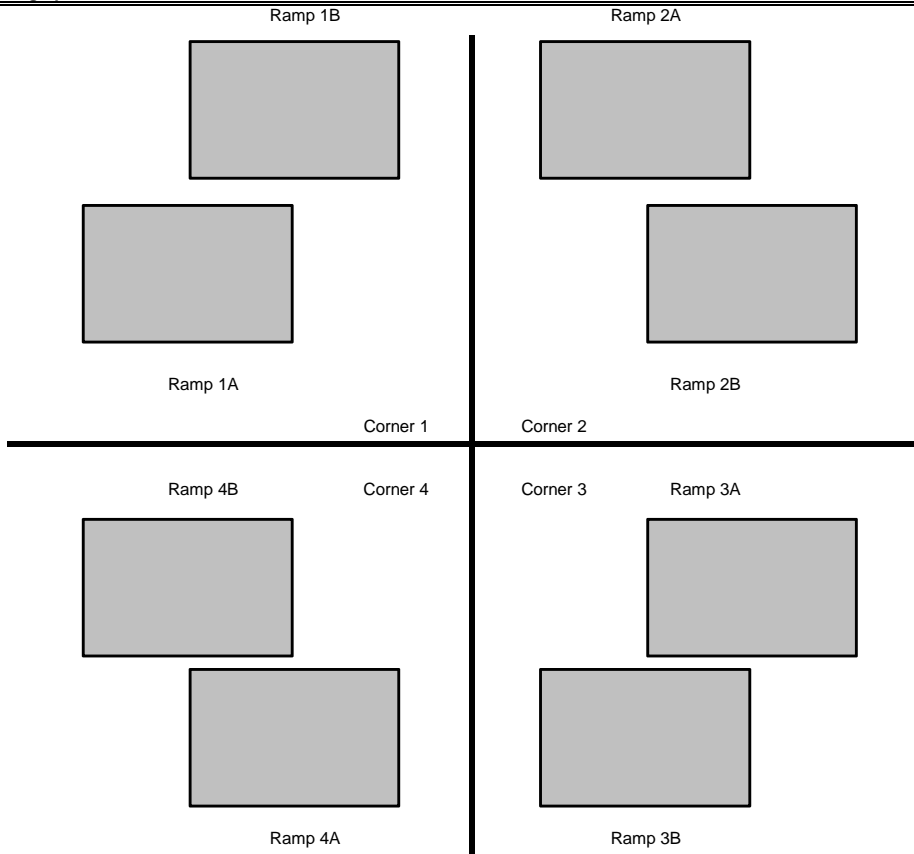
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X				X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M			M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 37th St and S Peoria Ave

GPS ID: 36027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

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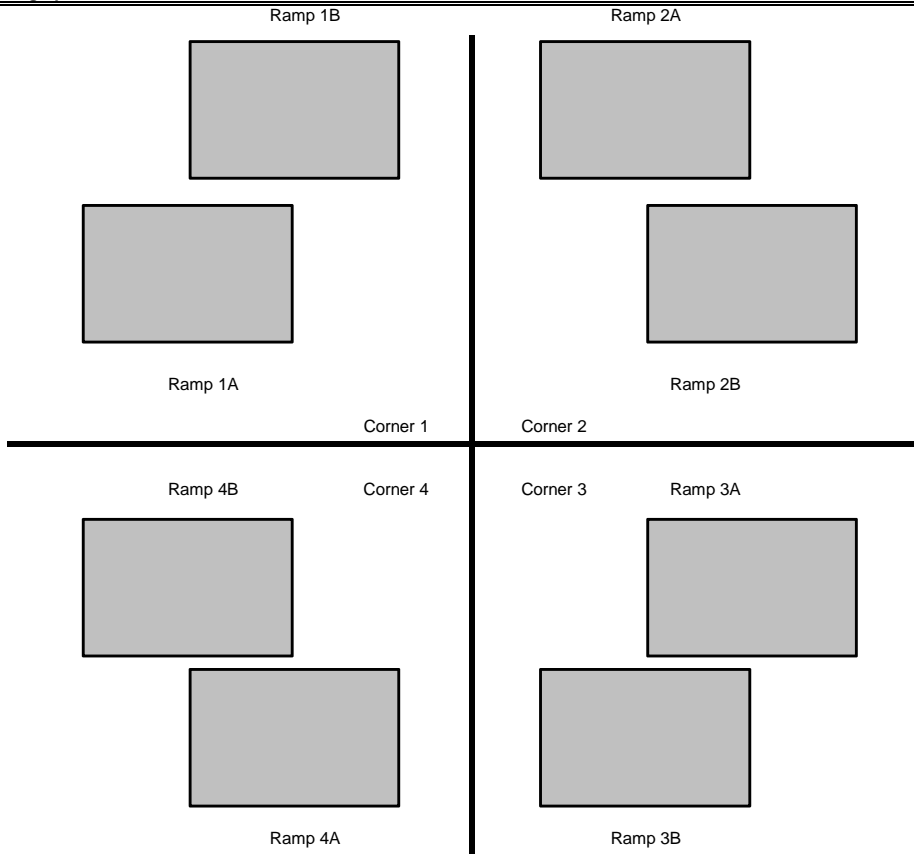
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		H			C	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal: \$	20,310.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 3,295.46
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 4,393.94
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	28,000.00

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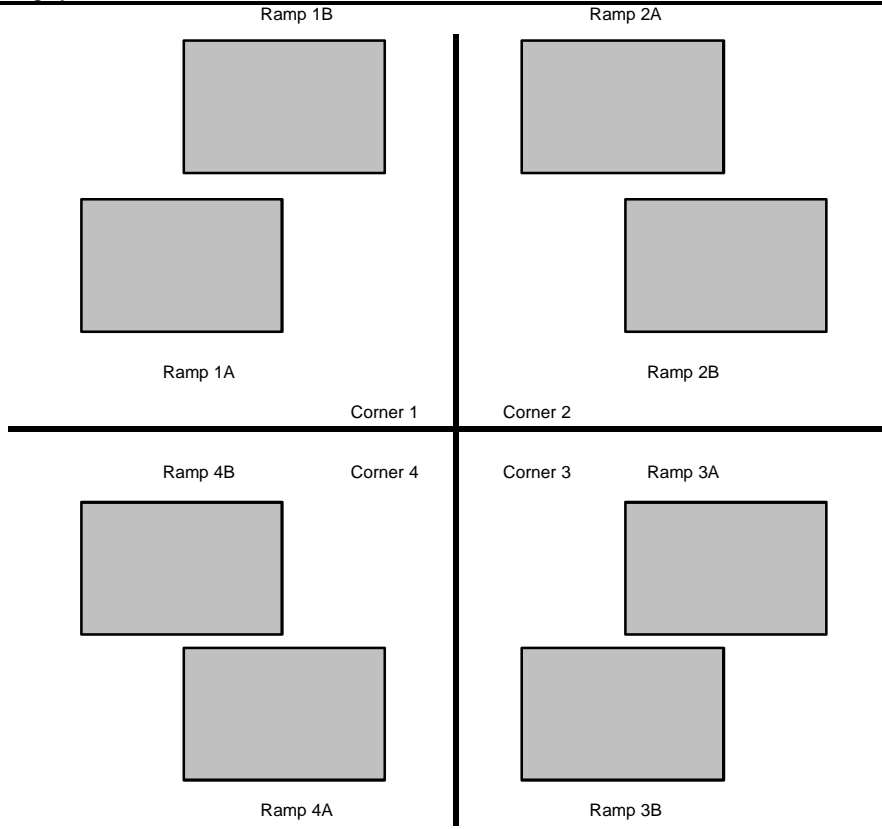
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C		M		M		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 35th PI

GPS ID: 36029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,059.60
Engineering: (% +/-)	15%	\$ 2,974.46
Contingency: (% +/-)	20%	\$ 3,965.94
Estimated Project Cost:	\$	26,000.00

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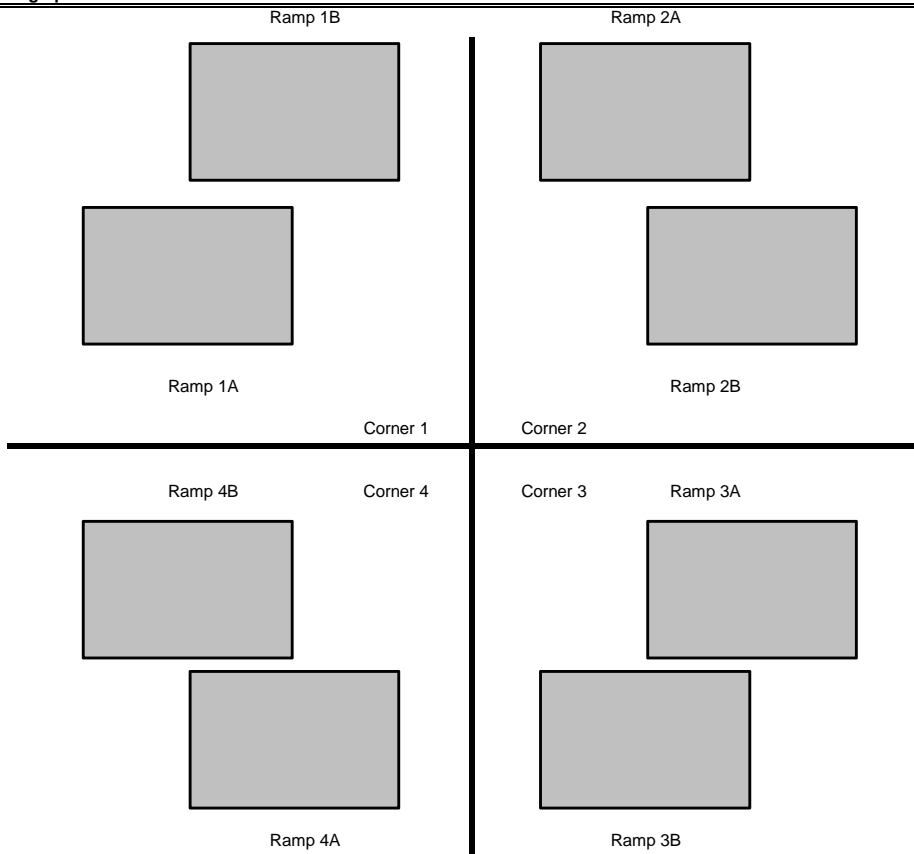
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		L		M			C	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal: \$	1,251.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 321.00
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20% \$ 428.00
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	2,000.00

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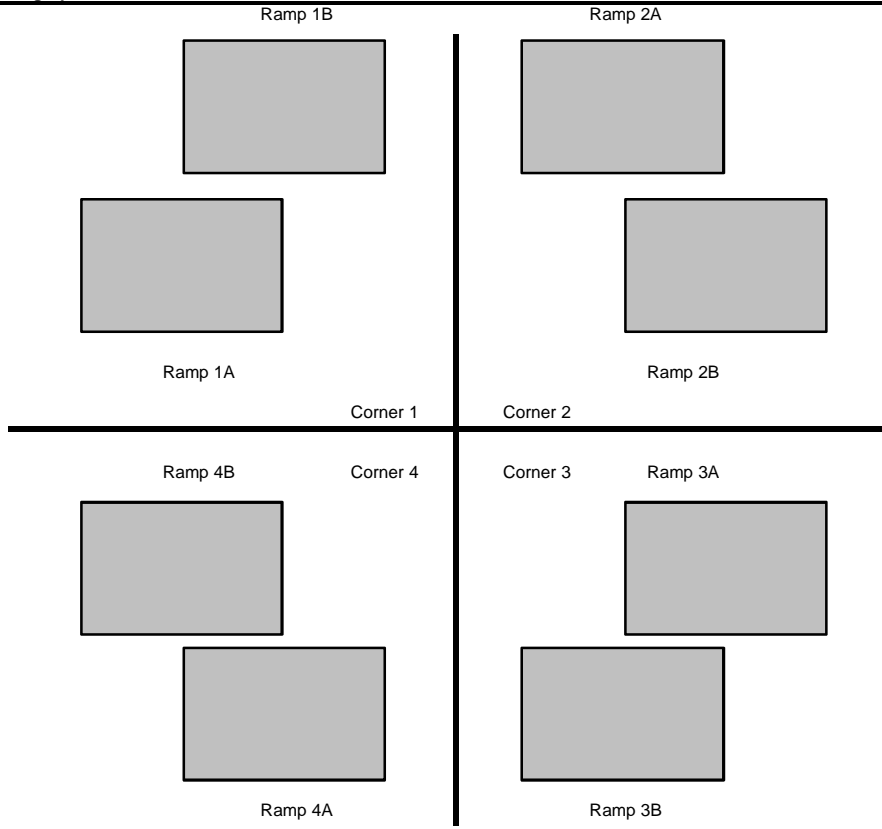
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	Good	
Crosswalk cross slope is greater than 2%		N/A			
Crosswalk striping	Yes	N/A	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C		M		C		C		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 34th St (east)

GPS ID: 36031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,000.00
Engineering: (% +/-)	15%	\$ 857.14
Contingency: (% +/-)	20%	\$ 1,142.86
Estimated Project Cost:	\$	6,000.00

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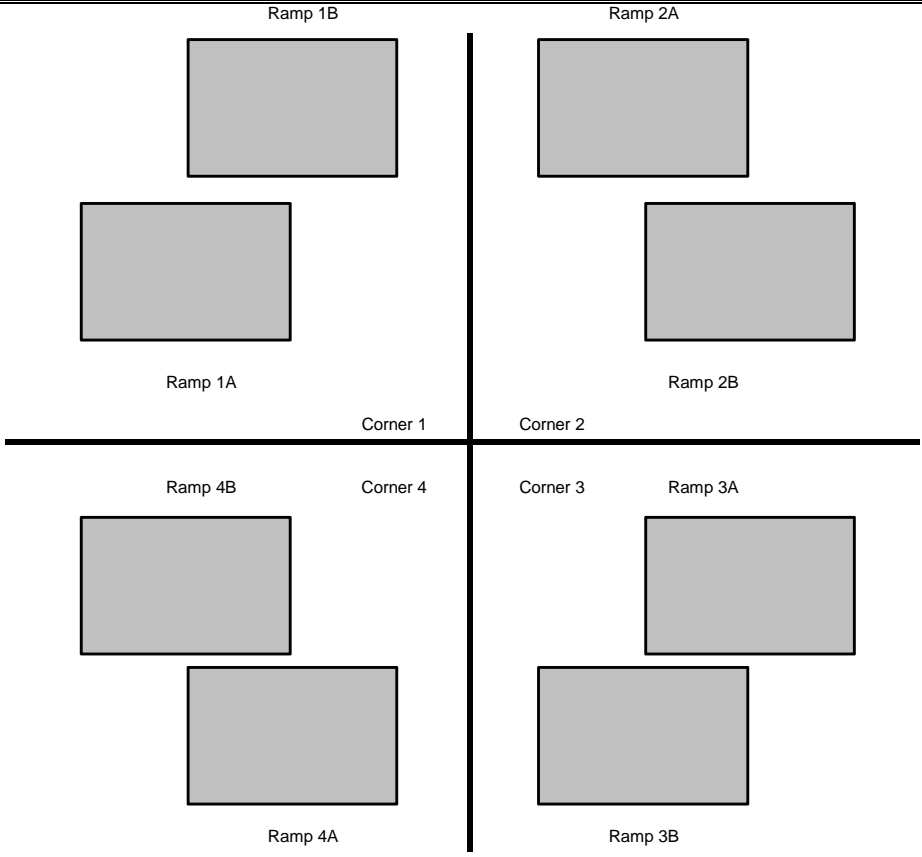
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	Yes	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		L		L		L		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 33rd St

GPS ID: 36032B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,606.40
Engineering: (% +/-)	15%	\$ 1,882.97
Contingency: (% +/-)	20%	\$ 2,510.63
Estimated Project Cost:	\$	15,000.00

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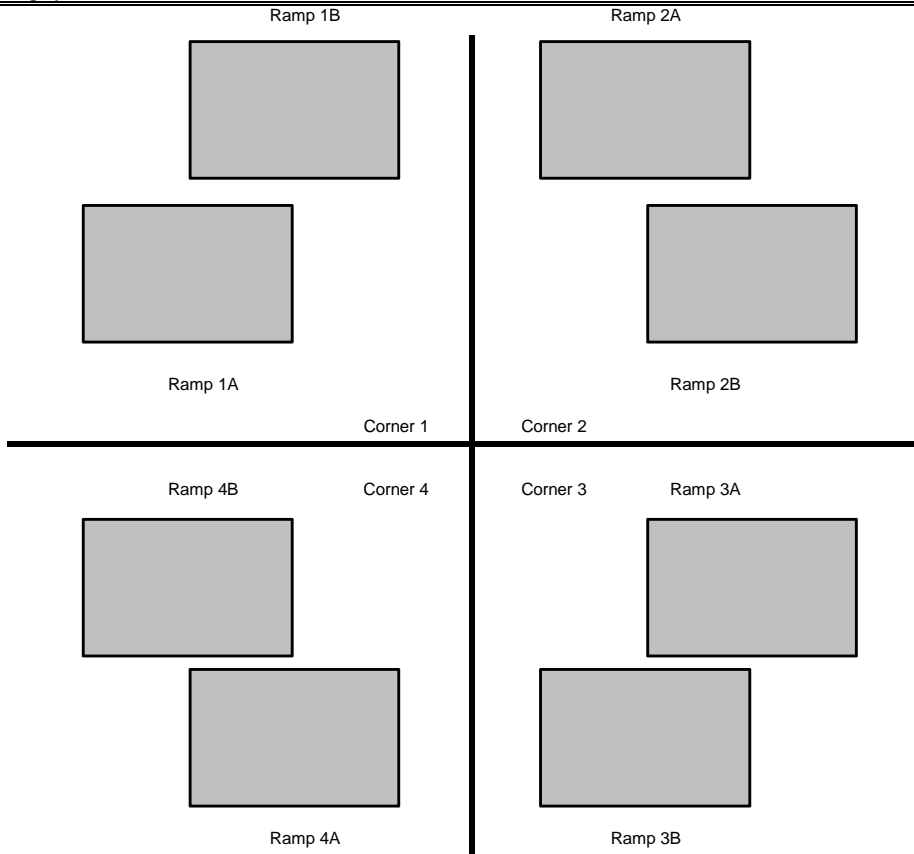
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Yes	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		L		L		L		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 32nd PI

GPS ID: 36032A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,013.80
Engineering: (% +/-)	15%	\$ 1,279.80
Contingency: (% +/-)	20%	\$ 1,706.40
Estimated Project Cost:	\$	11,000.00

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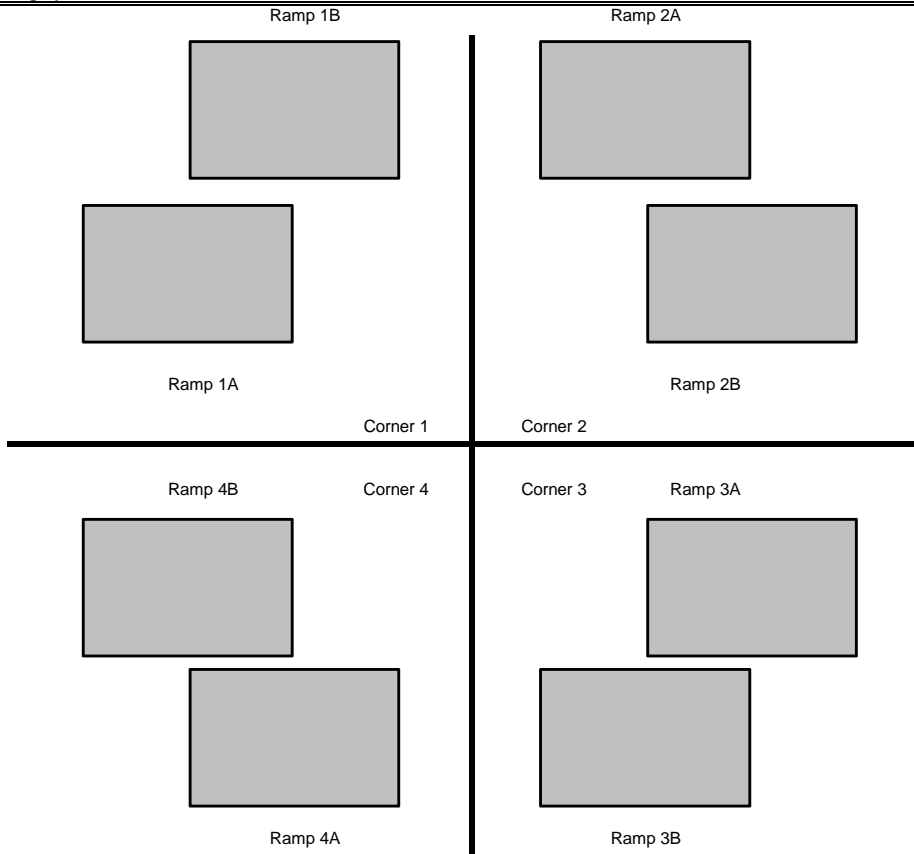
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 33rd St and S Peoria Ave

GPS ID: 36032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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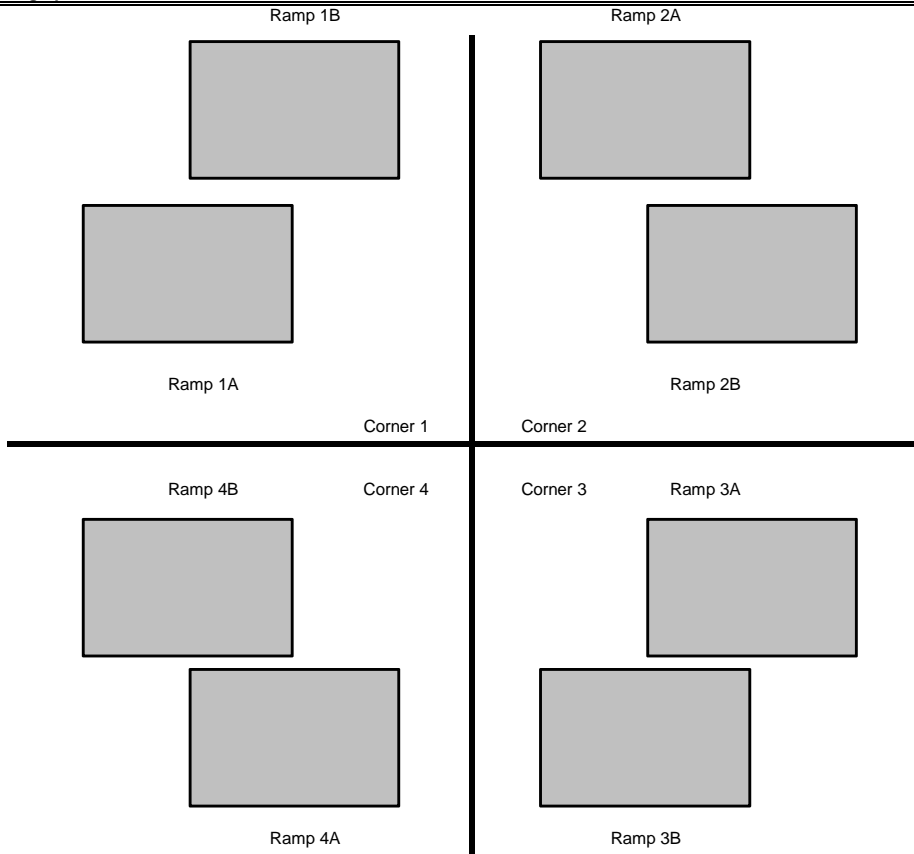
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 32nd St and S Peoria Ave

GPS ID: 36033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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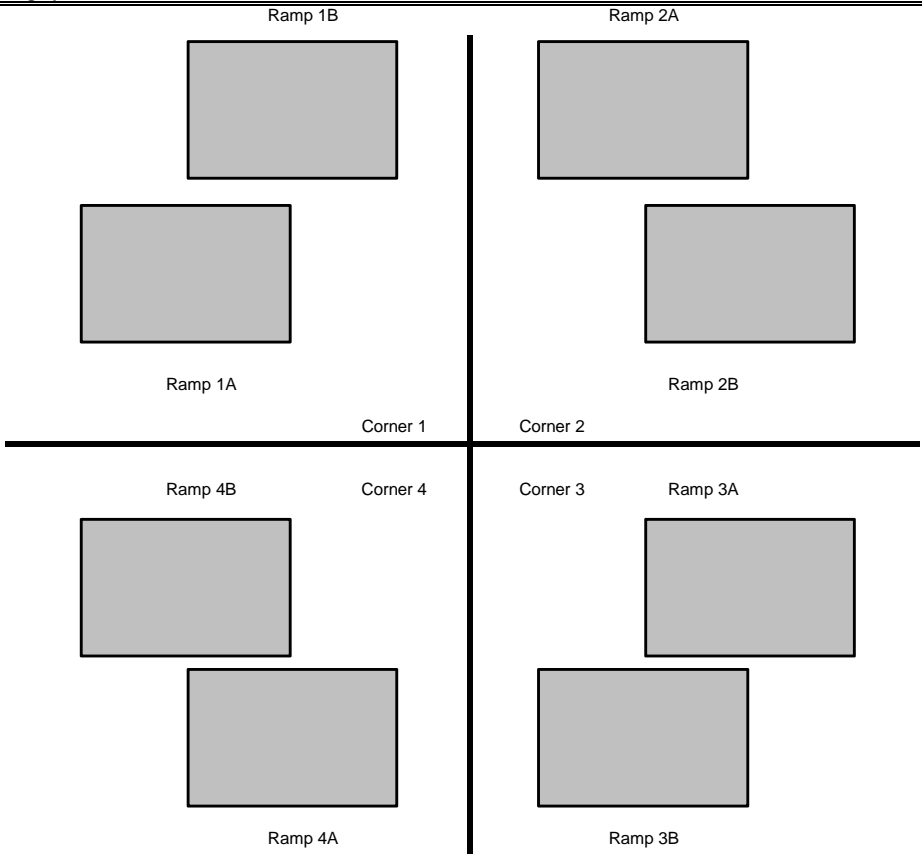
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 31st PI

GPS ID: 36034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

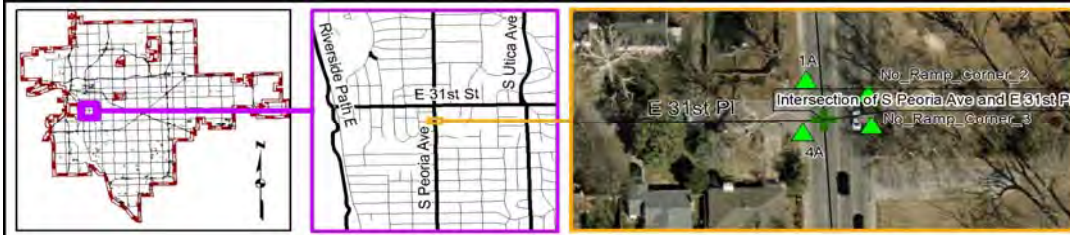
Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$	1,743.69
Contingency: (% +/-)	20%	\$	2,324.91
Estimated Project Cost:	\$	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

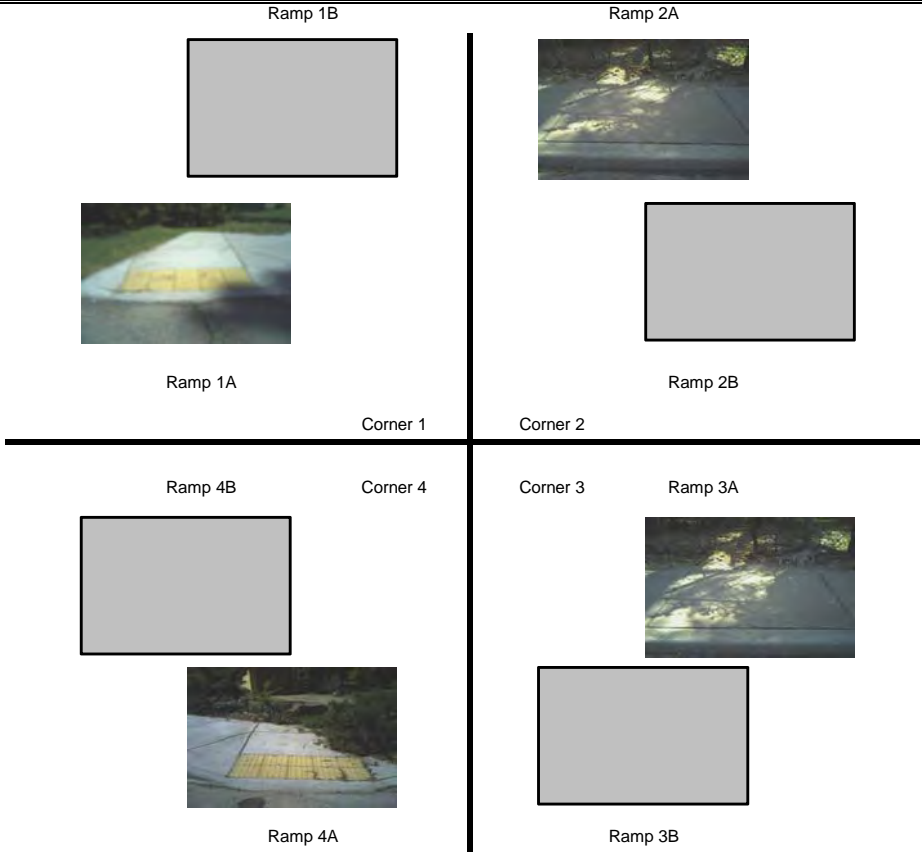
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 31st Ct

GPS ID: 36035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$	1,743.69
Contingency: (% +/-)	20%	\$	2,324.91
Estimated Project Cost:		\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

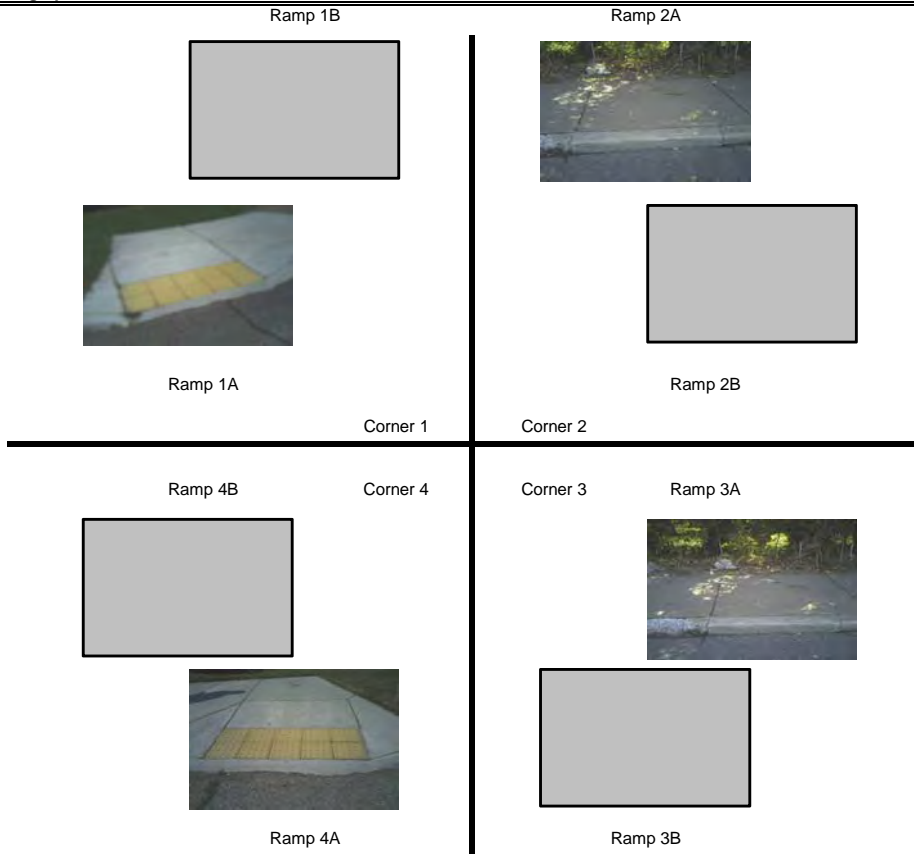
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 30th Pl and S Peoria Ave

GPS ID: 36036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,061.40
Engineering: (% +/-)	15%	\$ 1,687.97
Contingency: (% +/-)	20%	\$ 2,250.63
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 30th St

GPS ID: 36037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,440.60
Engineering: (% +/-)	15%	\$ 3,239.74
Contingency: (% +/-)	20%	\$ 4,319.66
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 29th Pl and S Peoria Ave

GPS ID: 36038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

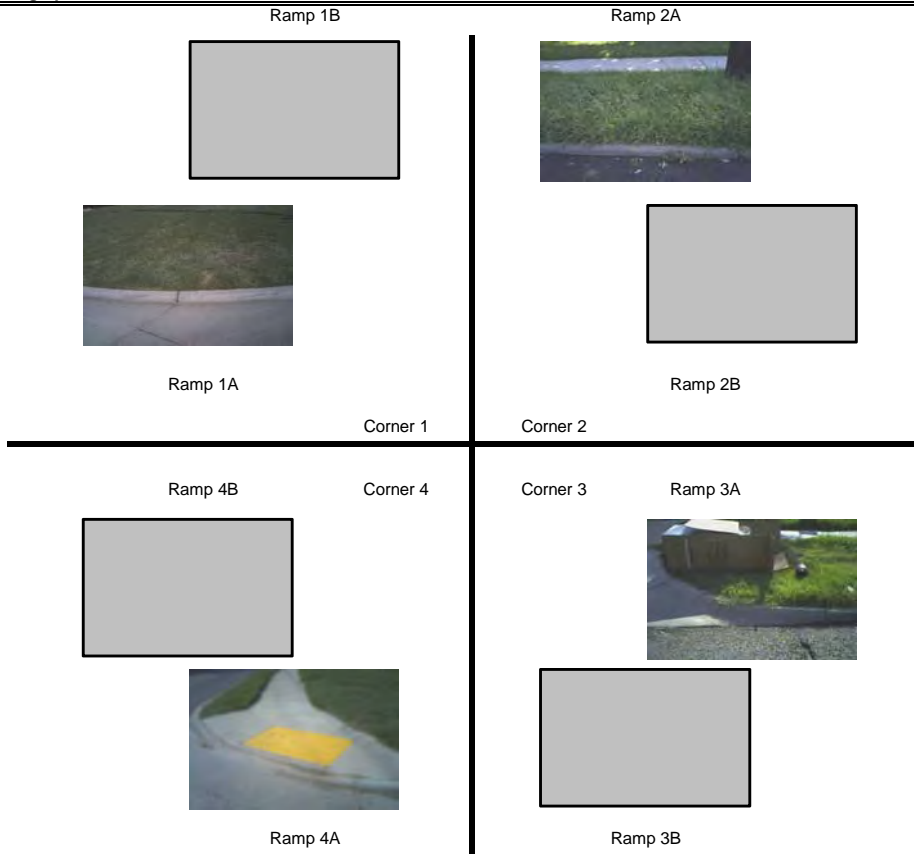
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 29th St (east)

GPS ID: 36039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

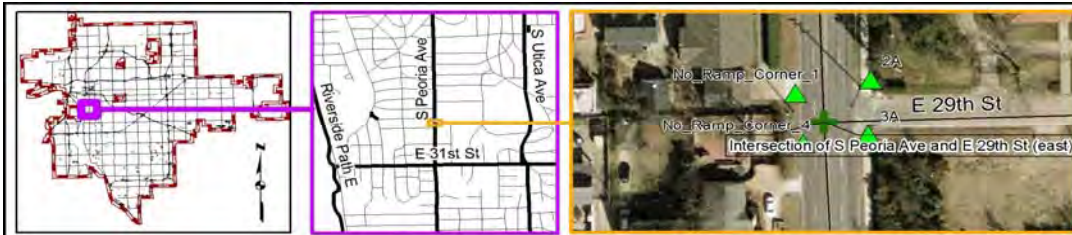
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 29th St (west)

GPS ID: 36040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

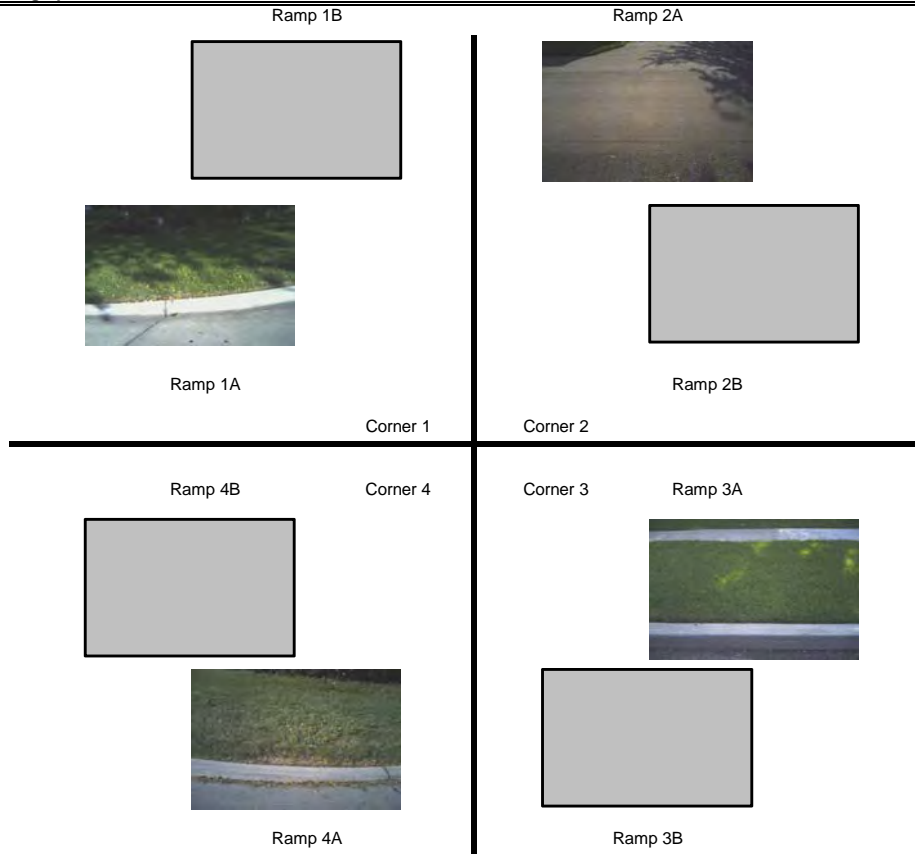
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 28th St

GPS ID: 36041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$	1,158.17
Contingency: (% +/-)	20%	\$	1,544.23
Estimated Project Cost:		\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

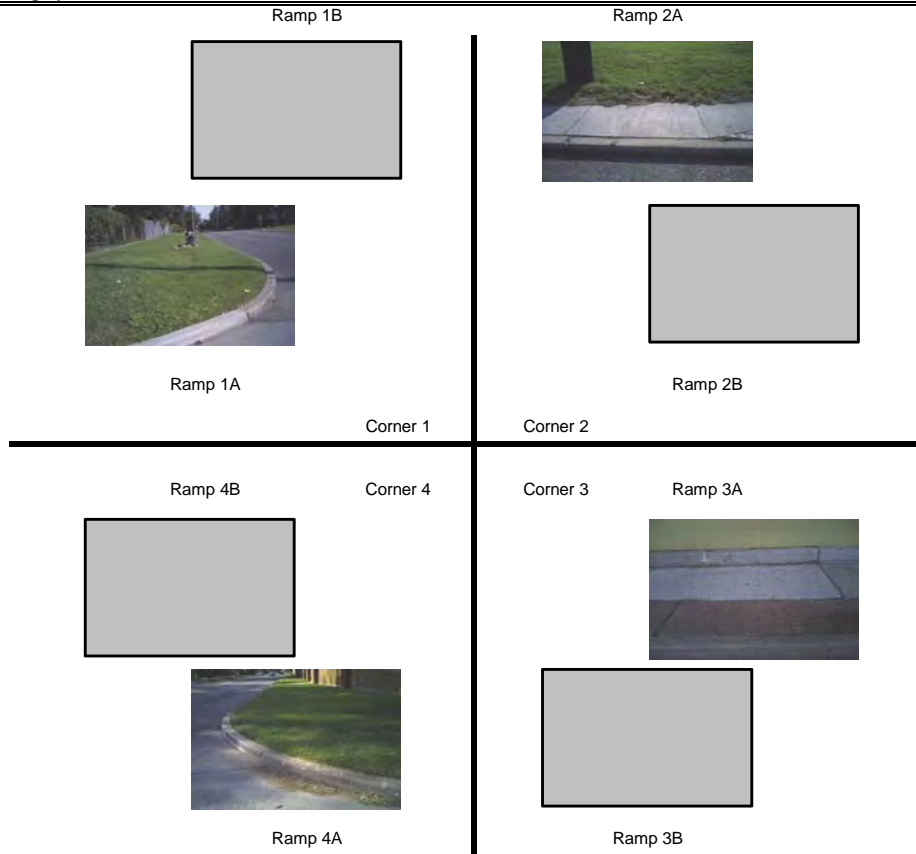
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 27th PI

GPS ID: 36042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 27th St (west)

GPS ID: 36043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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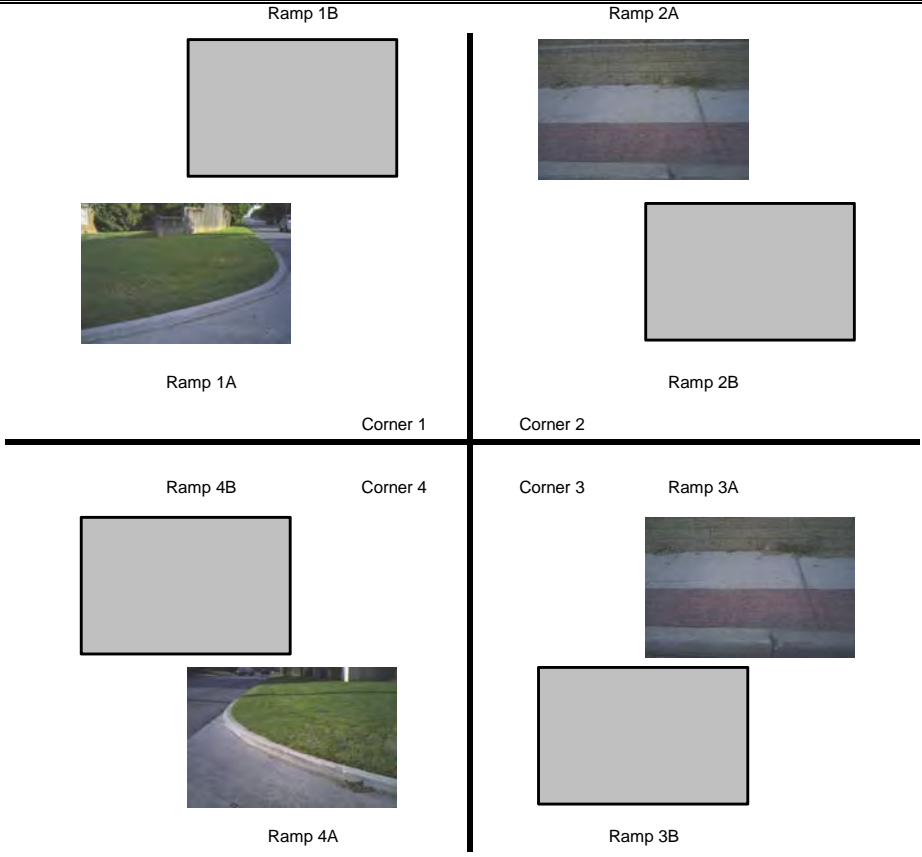
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 27th St (east)

GPS ID: 36044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Hazel Blvd and S Peoria Ave

GPS ID: 36045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$	1,158.17
Contingency: (% +/-)	20%	\$	1,544.23
Estimated Project Cost:	\$	\$	8,000.00

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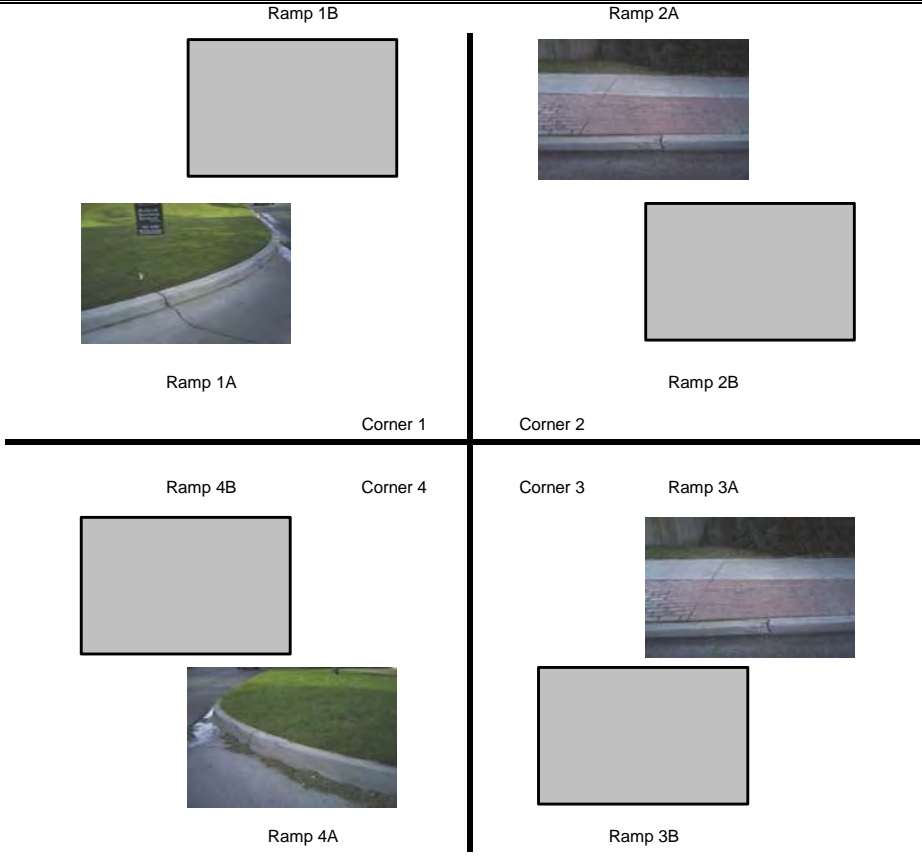
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 26th Pl and S Peoria Ave

GPS ID: 36046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 26th St (west)

GPS ID: 36047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$	1,158.17
Contingency: (% +/-)	20%	\$	1,544.23
Estimated Project Cost:		\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

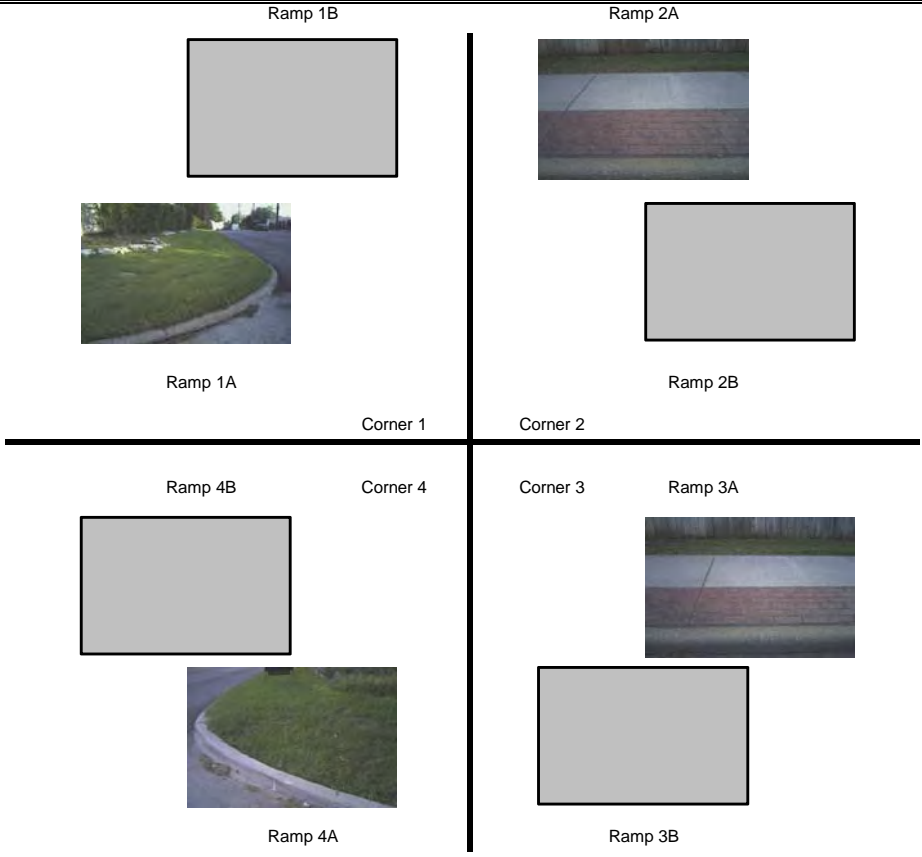
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 26th St (east)

GPS ID: 36048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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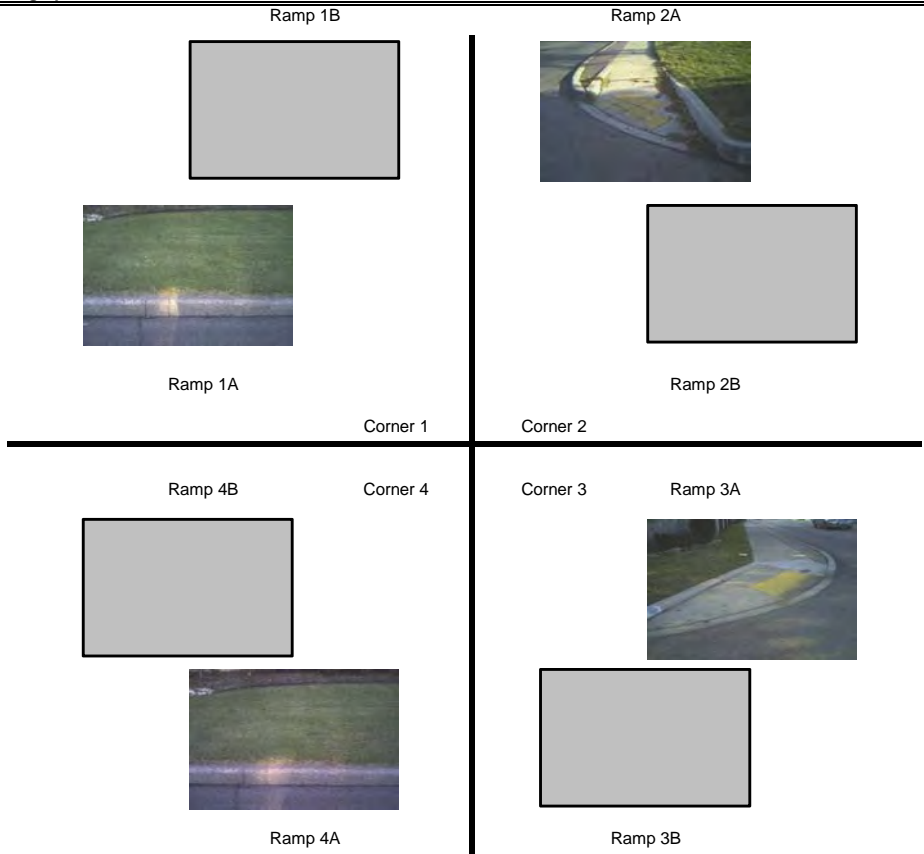
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 25th St (west)

GPS ID: 36049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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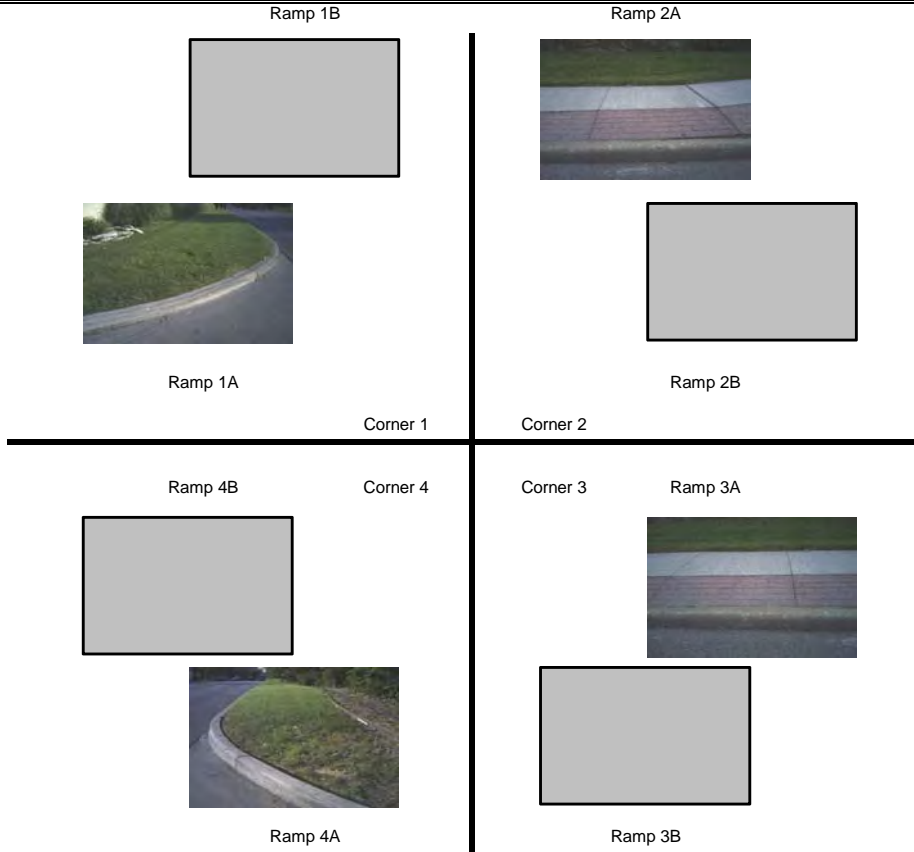
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 25th St (east)

GPS ID: 36050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 24th PI

GPS ID: 36051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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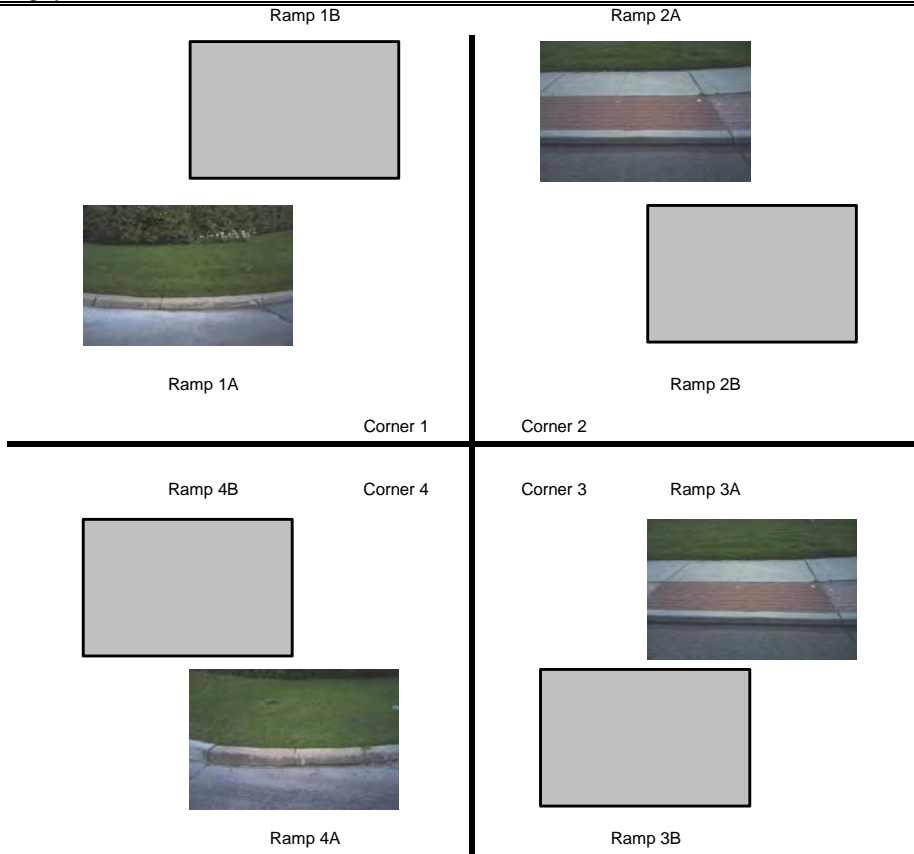
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 24th St

GPS ID: 36052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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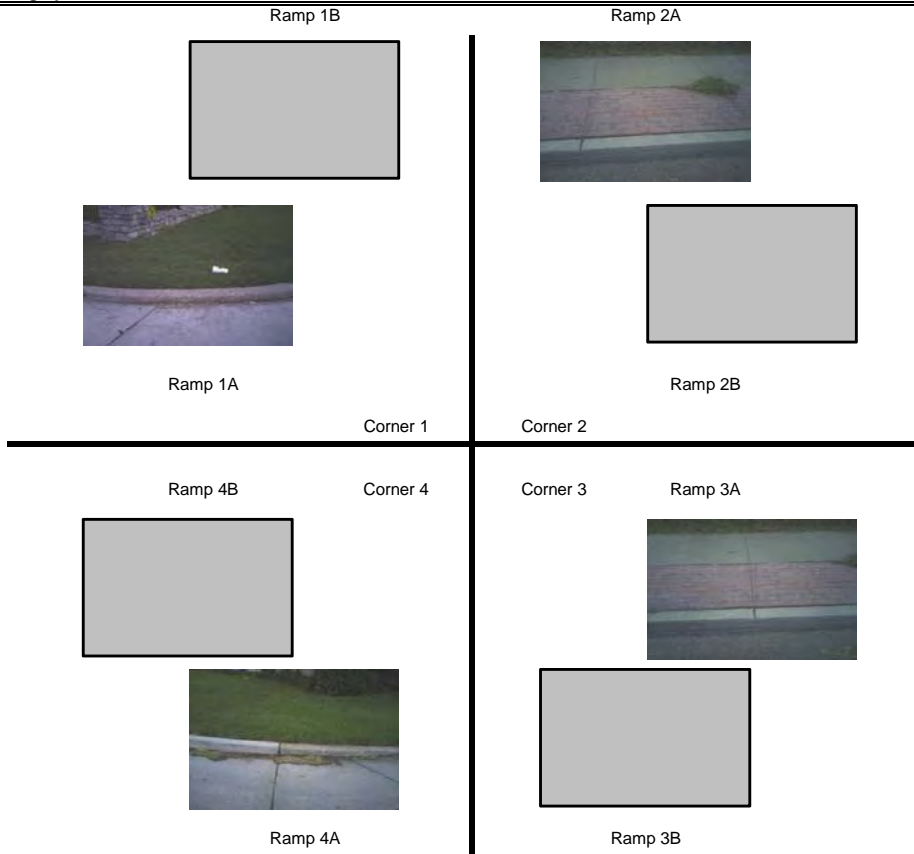
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of E 21st Pl and S Peoria Ave GPS ID: 36053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	13,424.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,389.71
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,186.29
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X							X	Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 2nd St GPS ID: 36054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	18,141.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,939.40
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,919.20
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	25,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

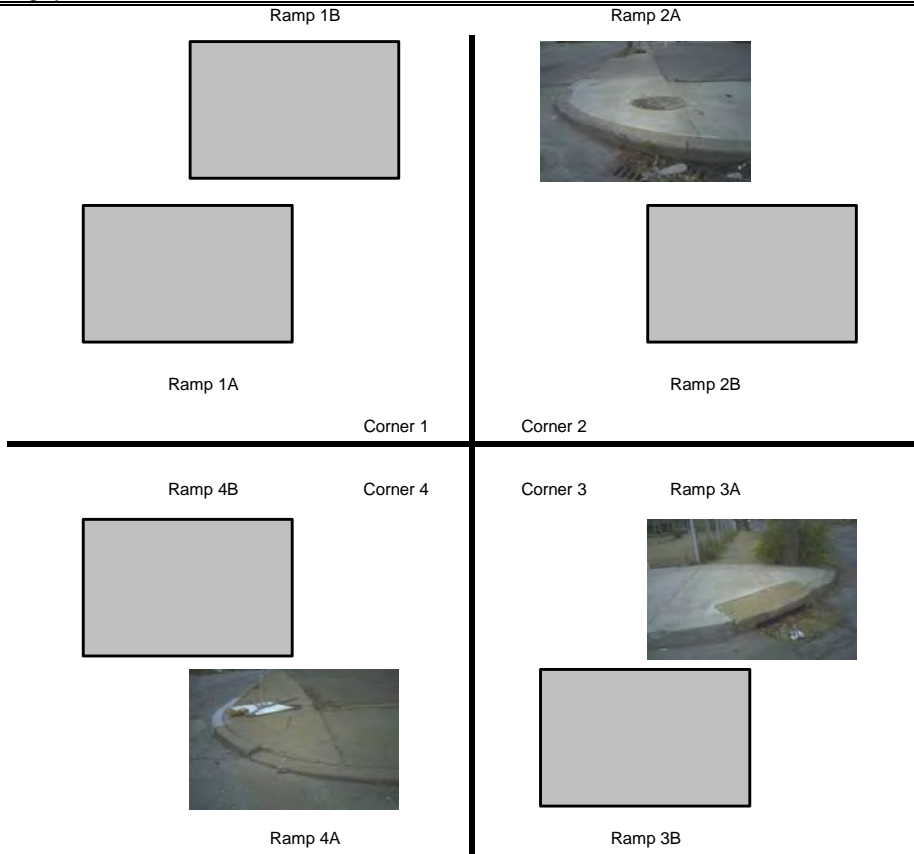
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Peoria Ave and E 1st St

GPS ID: 36055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,854.00
Engineering: (% +/-)	15%	\$ 3,491.14
Contingency: (% +/-)	20%	\$ 4,654.86
Estimated Project Cost:	\$	31,000.00

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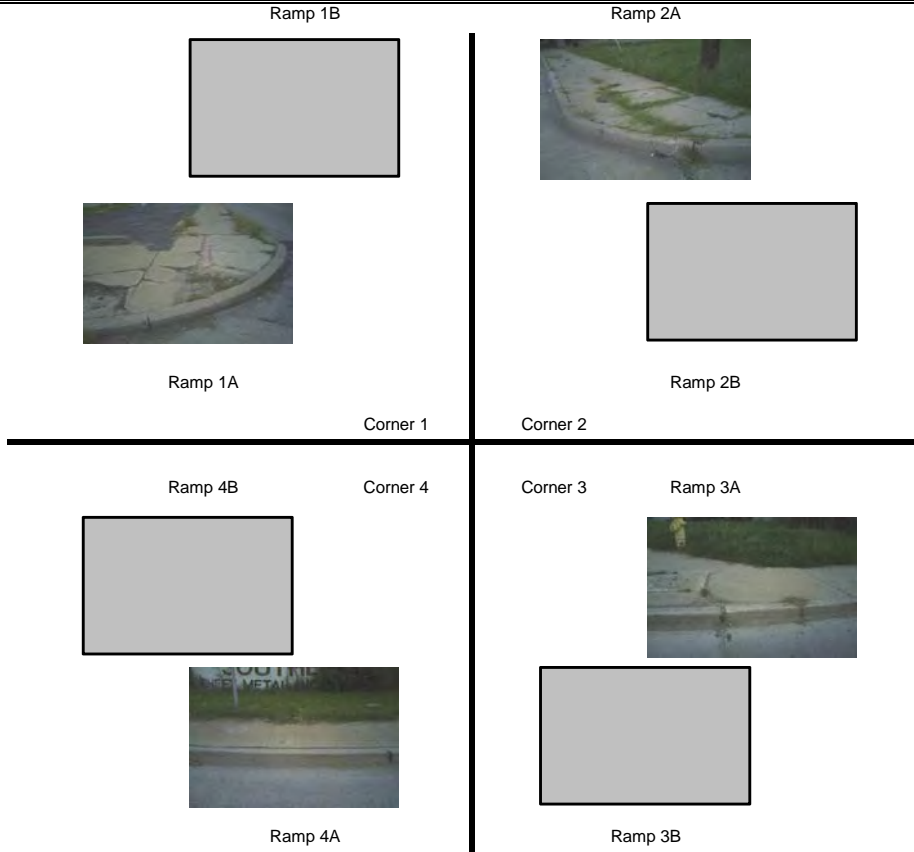
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Peoria Ave and E Admiral PI

GPS ID: 36056

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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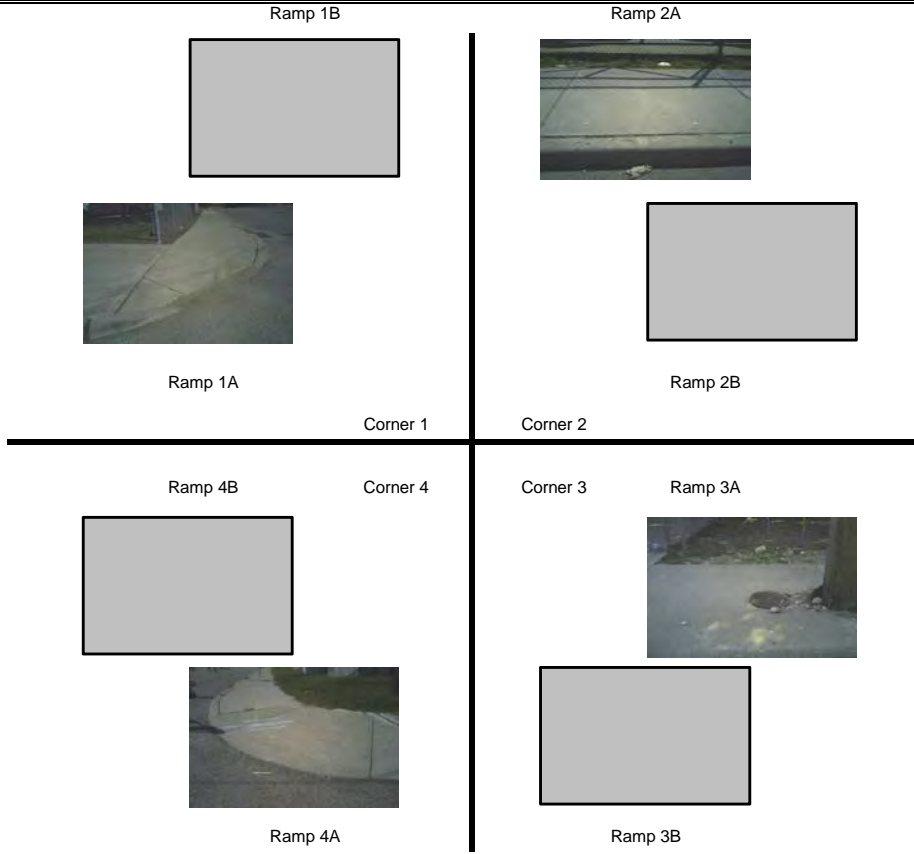
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Peoria Ave and E Easton St (east)

GPS ID: 36057

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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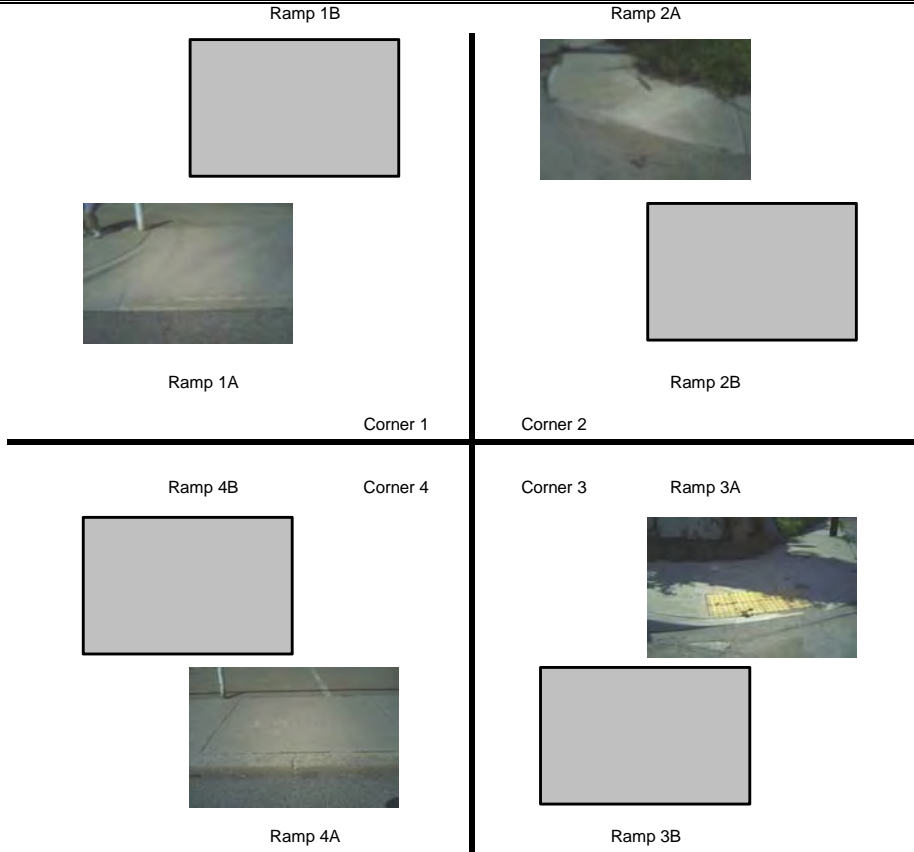
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,059.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,974.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,965.94
	Estimated Project Cost:	\$ 24,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	C		L		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 17,000.00

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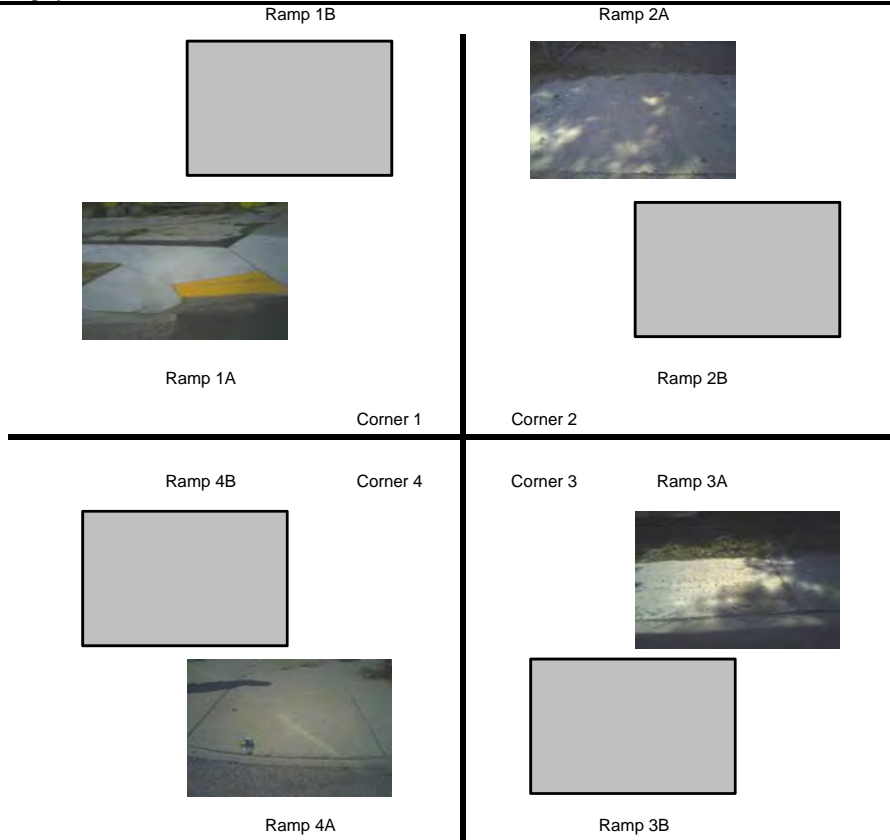
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,820.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,791.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,388.46
	Estimated Project Cost:	\$ 16,000.00

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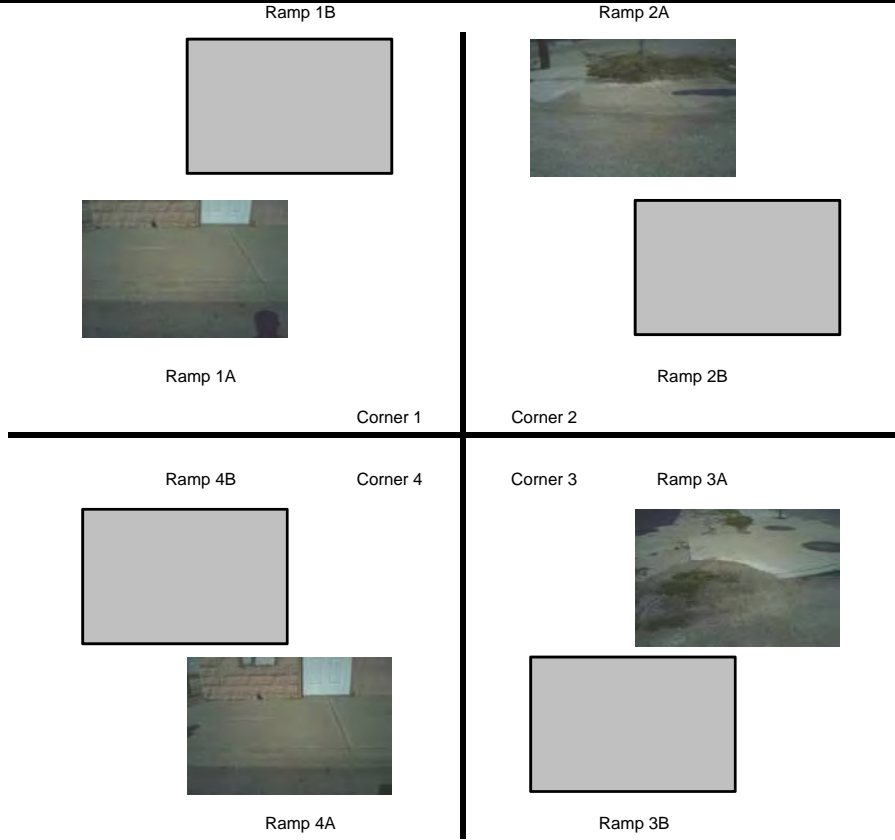
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	Yes	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M			H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,851.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,469.03
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 11,931.40
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 2,896.34
		Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,809.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,367.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,823.31
	Estimated Project Cost:	\$ 10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,555.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,476.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,968.46
	Estimated Project Cost:	\$ 13,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	-	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	4A	4C	4D	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X					X	X	X	Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H					H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Ramp 4D



Corner 4

Corner 3

Ramp 3A



Ramp 4A

Ramp 4C



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,712.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 980.57
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,307.43
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 3,623.20
<input checked="" type="checkbox"/>	No Design			Engineering: (% +/-)	15% \$ 590.06
<input type="checkbox"/>	Preliminary Design			Contingency: (% +/-)	20% \$ 786.74
<input type="checkbox"/>	Final Design			Estimated Project Cost:	\$ 5,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 6,646.40
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 1,008.69
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 1,344.91
<input type="checkbox"/> Final Design				Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 1,544.23
		Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,424.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,961.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,614.86
	Estimated Project Cost:	\$ 16,000.00

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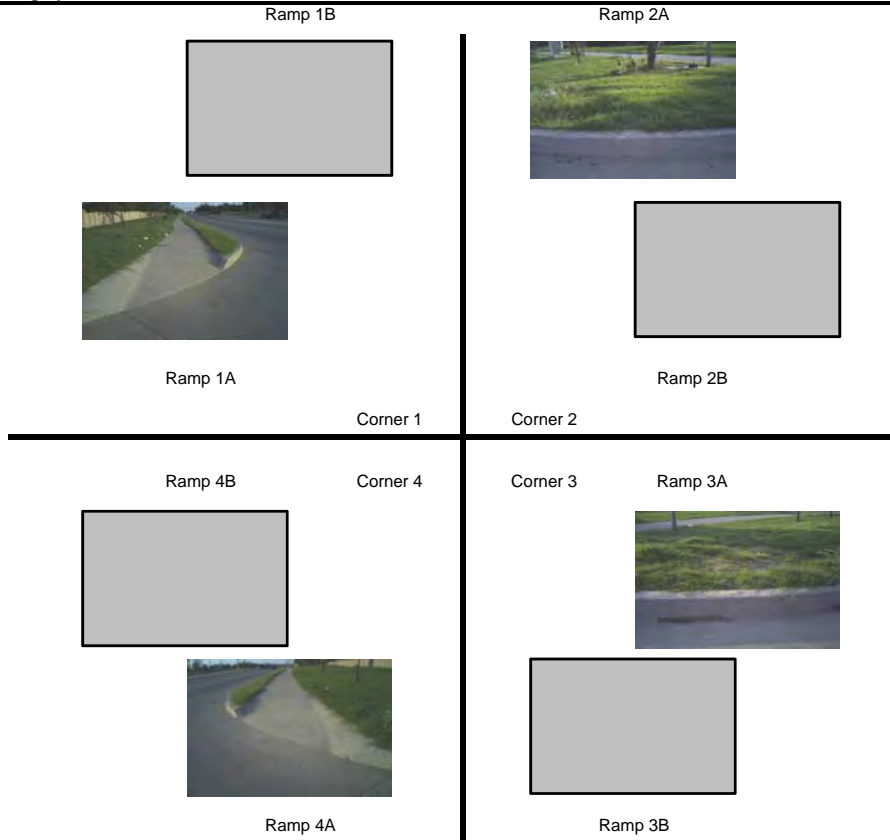
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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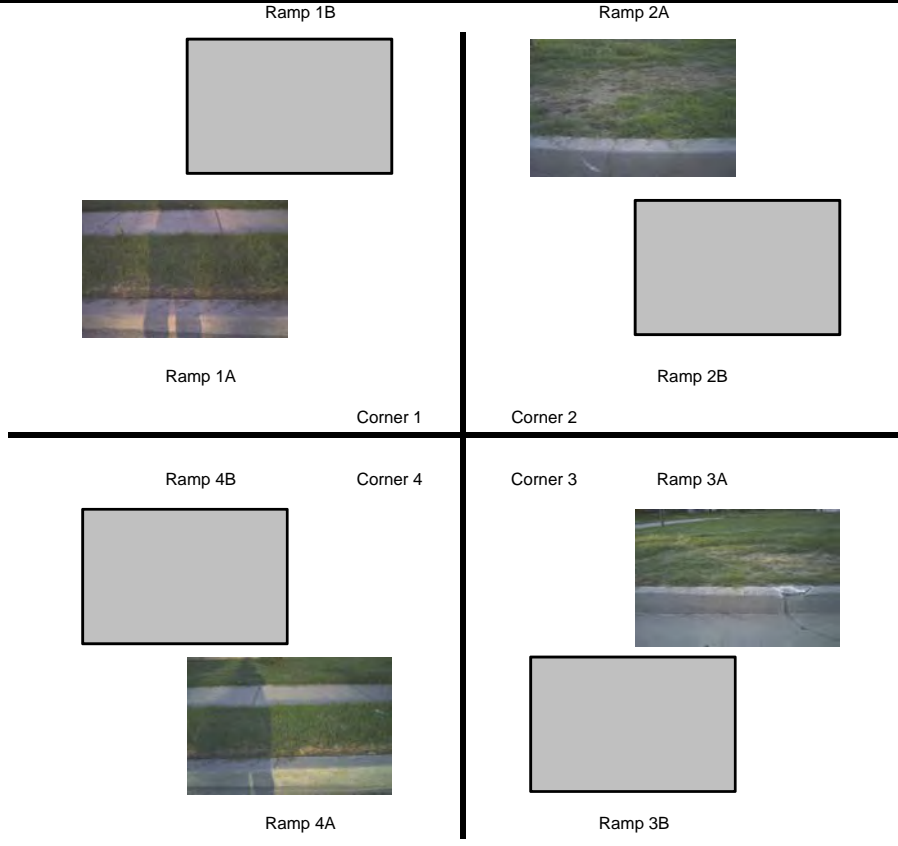
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$ 5,297.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

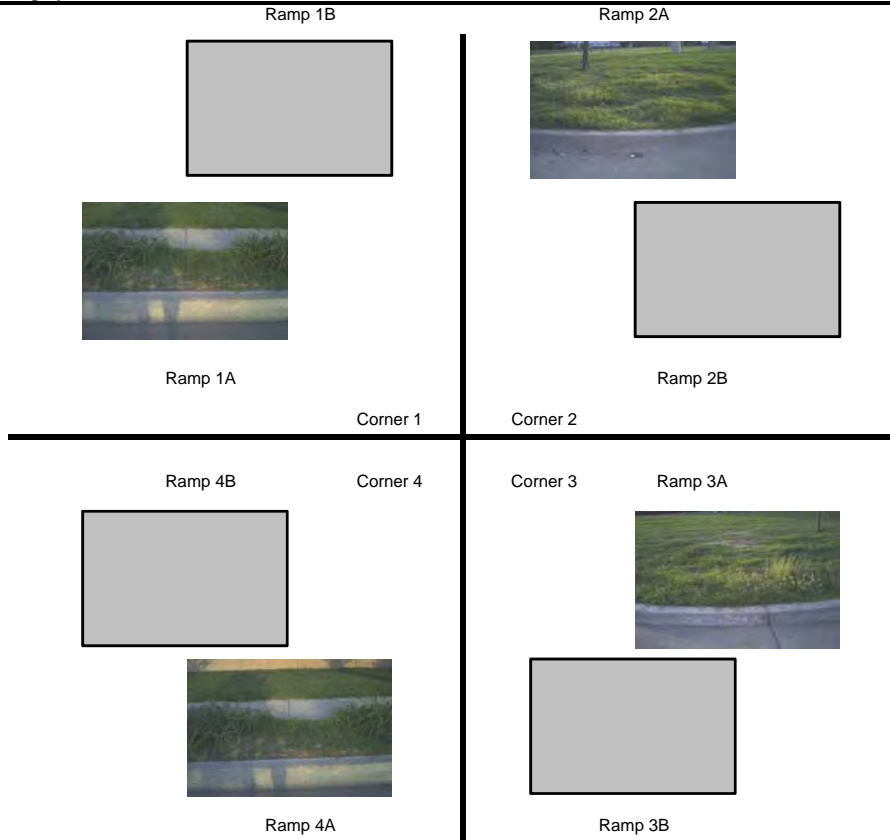
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Projection		Subtotal: \$	16,424.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,818.29
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,757.71
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	23,000.00

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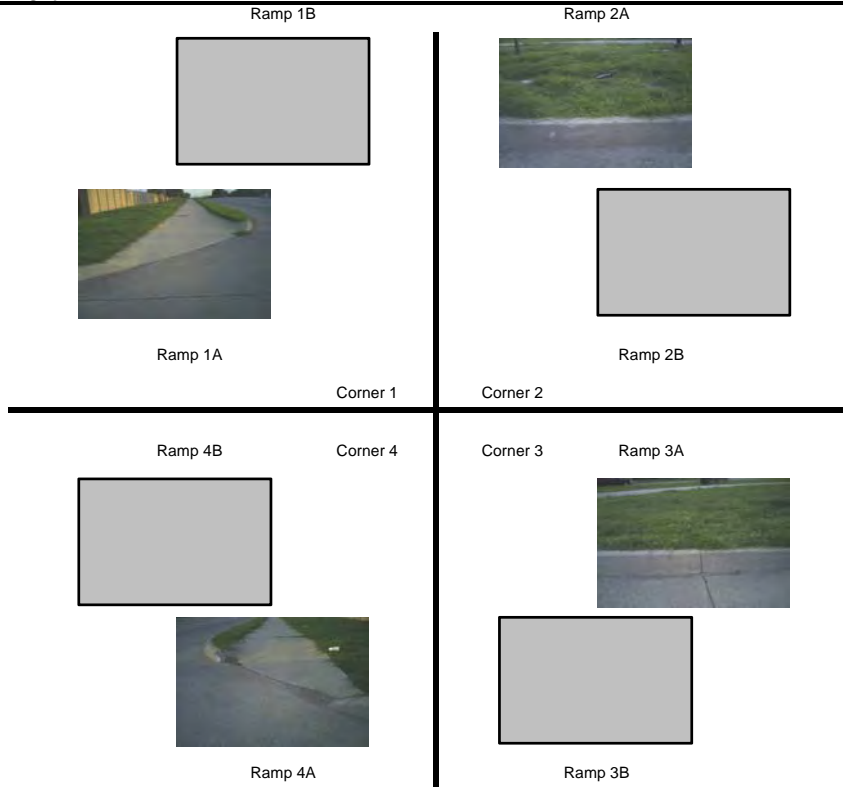
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,424.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,818.29
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,757.71
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 6,126.40
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 1,642.06
<input type="checkbox"/> Final Design				Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	16,424.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,818.29
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,757.71
	Estimated Project Cost: \$	23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 1,544.23
		Estimated Project Cost:	\$ 8,000.00

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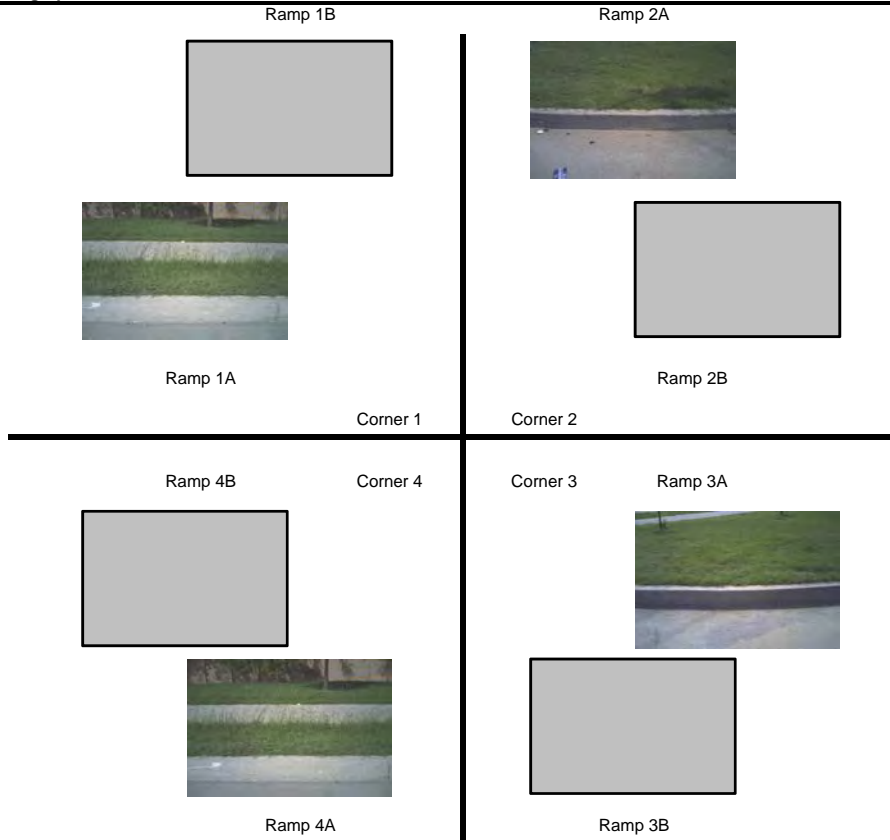
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,709.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,696.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,594.86
	Estimated Project Cost:	\$ 22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	-	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 12,332.50
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 2,000.36
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 2,667.14
		Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	M				M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,332.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,143.21
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,524.29
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H		M		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,712.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,837.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,450.29
	Estimated Project Cost:	\$ 16,000.00

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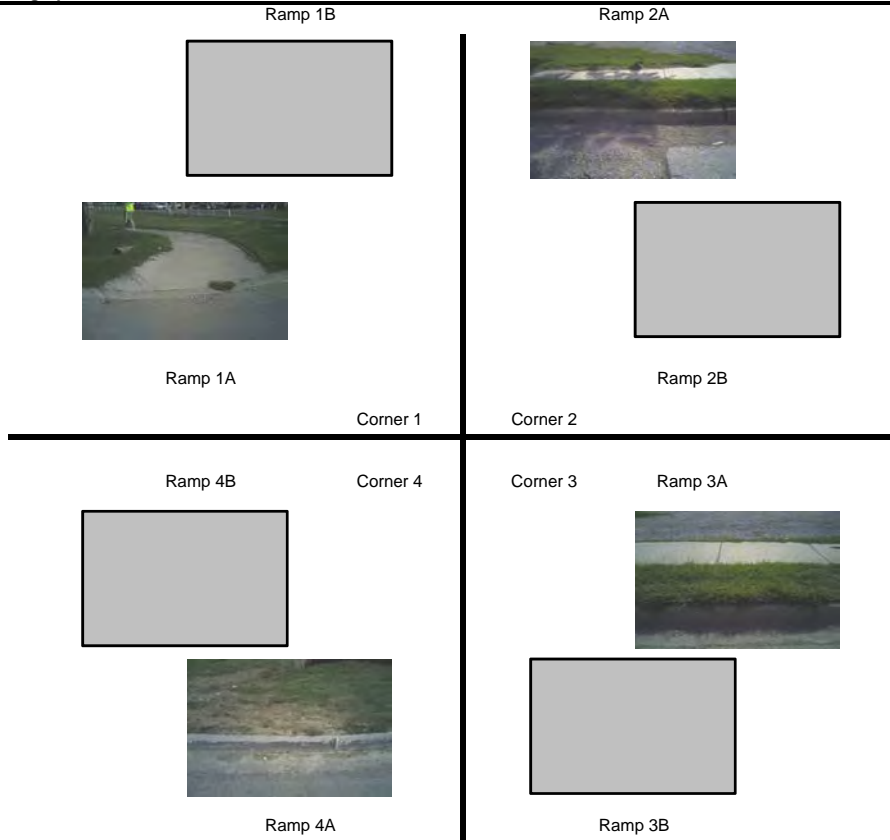
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,904.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,184.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,912.00
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	-	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

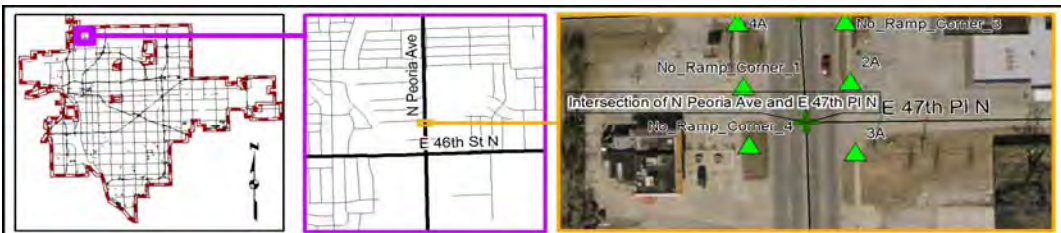
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,963.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,730.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,306.86
	Estimated Project Cost:	\$ 13,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,232.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,186.29
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,581.71
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

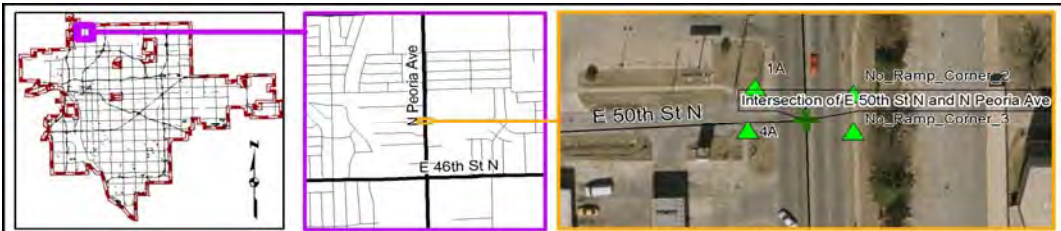
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal: \$	4,323.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 718.63
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20% \$ 958.17
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 6,000.00

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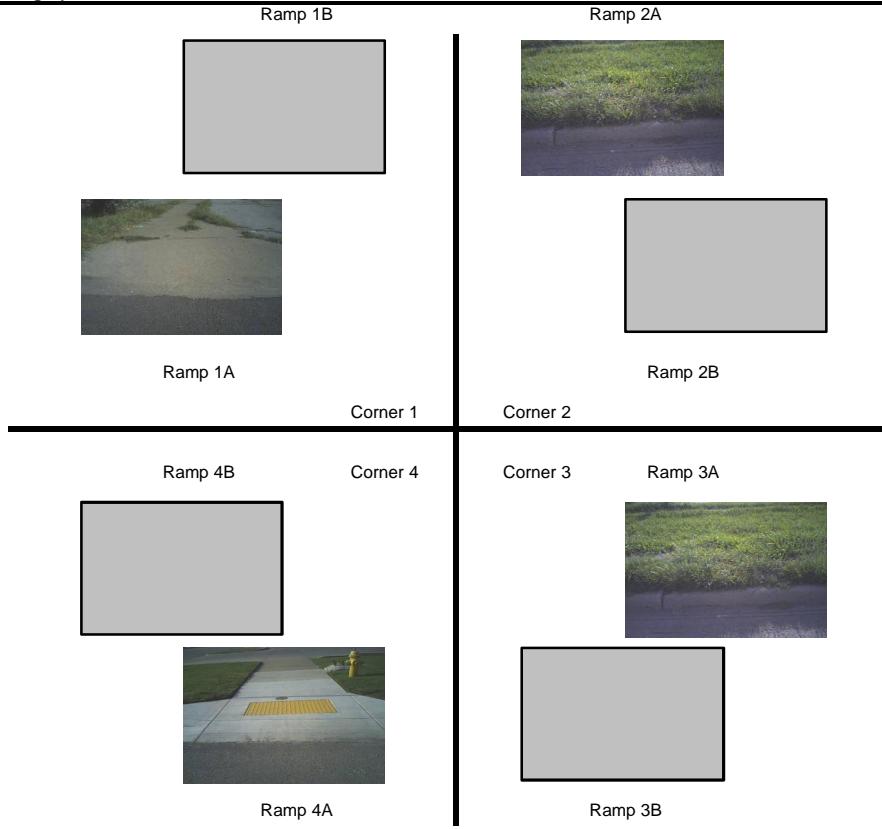
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M							C	



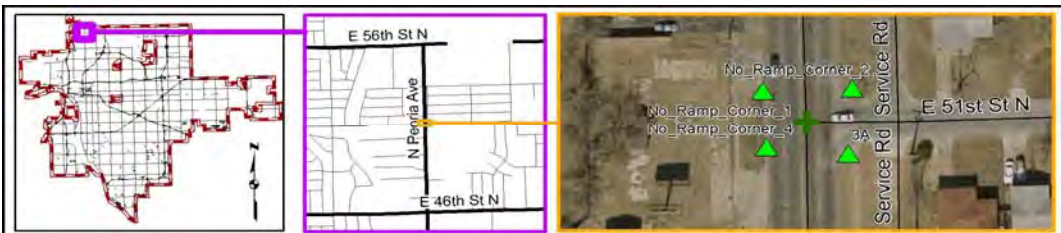
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,712.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 980.57
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,307.43
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

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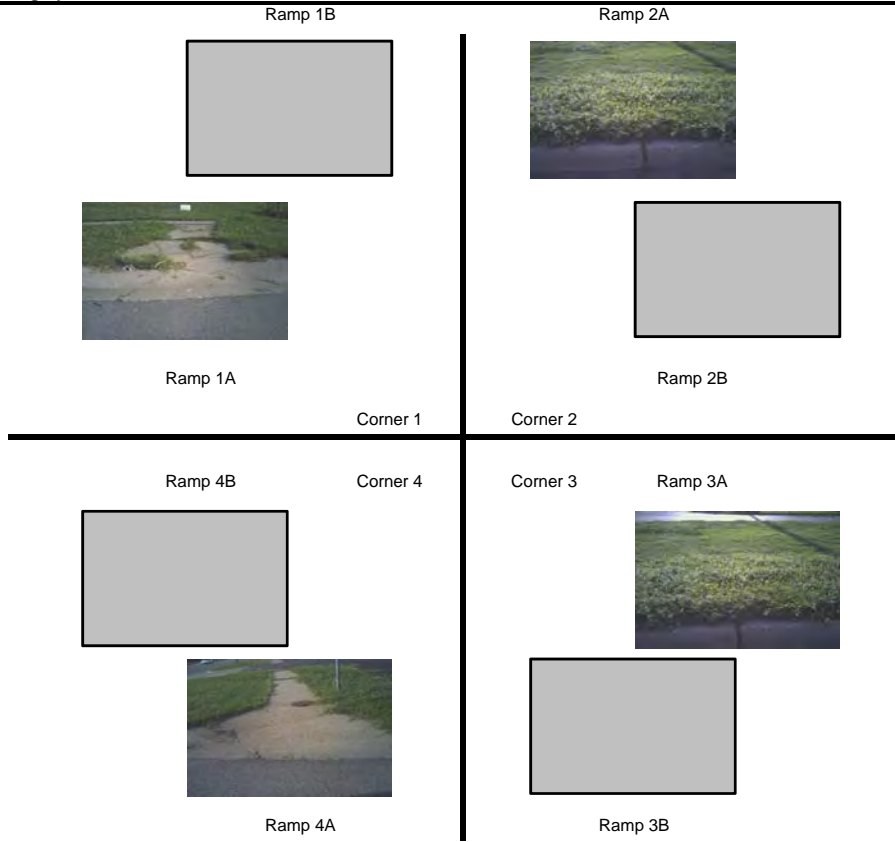
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	1,544.23
	Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,456.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,947.43
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,596.57
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X				X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,417.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,821.03
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,761.37
	Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,733.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,400.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,866.86
	Estimated Project Cost:	\$ 12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry	X							X	Remove ramp
Ramp Priority:	H				H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,733.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,400.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,866.86
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

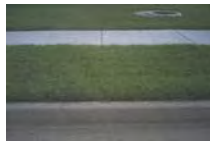
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%						X	X		
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X	X		Install colored truncated domes
No color contrast at base of ramp						X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry					X			X	Remove ramp
Ramp Priority:	-	-	-	-	M	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,036.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,127.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,836.40
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%						X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X	X		Install colored truncated domes
No color contrast at base of ramp						X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry			X		X			X	Remove ramp
Ramp Priority:	-		H		H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,784.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,378.24
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,837.66
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X	X	Install colored truncated domes
No color contrast at base of ramp							X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X	X	Regrade roadway
Ponding occurs at base of ramp							X	X	
Ramp not needed due to existing geometry			X		X				Remove ramp
Ramp Priority:	-		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,036.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,127.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,836.40
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%						X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X	X		Install colored truncated domes
No color contrast at base of ramp						X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X	X		Regrade roadway
Ponding occurs at base of ramp						X	X		
Ramp not needed due to existing geometry			X		X			X	Remove ramp
Ramp Priority:	-		H		H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,036.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,127.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,836.40
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%						X	X		Remove and replace ramp
Ramp cross slope is greater than 2%						X	X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp						X	X		
No color contrast at base of ramp						X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry			X	X			X		Remove ramp
Ramp Priority:	-		H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,036.30
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,127.30
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,836.40
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%						X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X	X	Install colored truncated domes
No color contrast at base of ramp							X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X	X	Regrade roadway
Ponding occurs at base of ramp							X	X	
Ramp not needed due to existing geometry			X		X			X	Remove ramp
Ramp Priority:	-		H		H		H	H	H

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	94.46	SY	\$ 10.00	\$ 944.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	94.46	SY	\$ 80.00	\$ 7,556.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	230	LF	\$ 6.50	\$ 1,495.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMD-1)	30	SF	\$ 30.00	\$ 900.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	9	LS	\$ 1,000.00	\$ 9,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	37,216.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 5,907.34
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 7,876.46
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	51,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

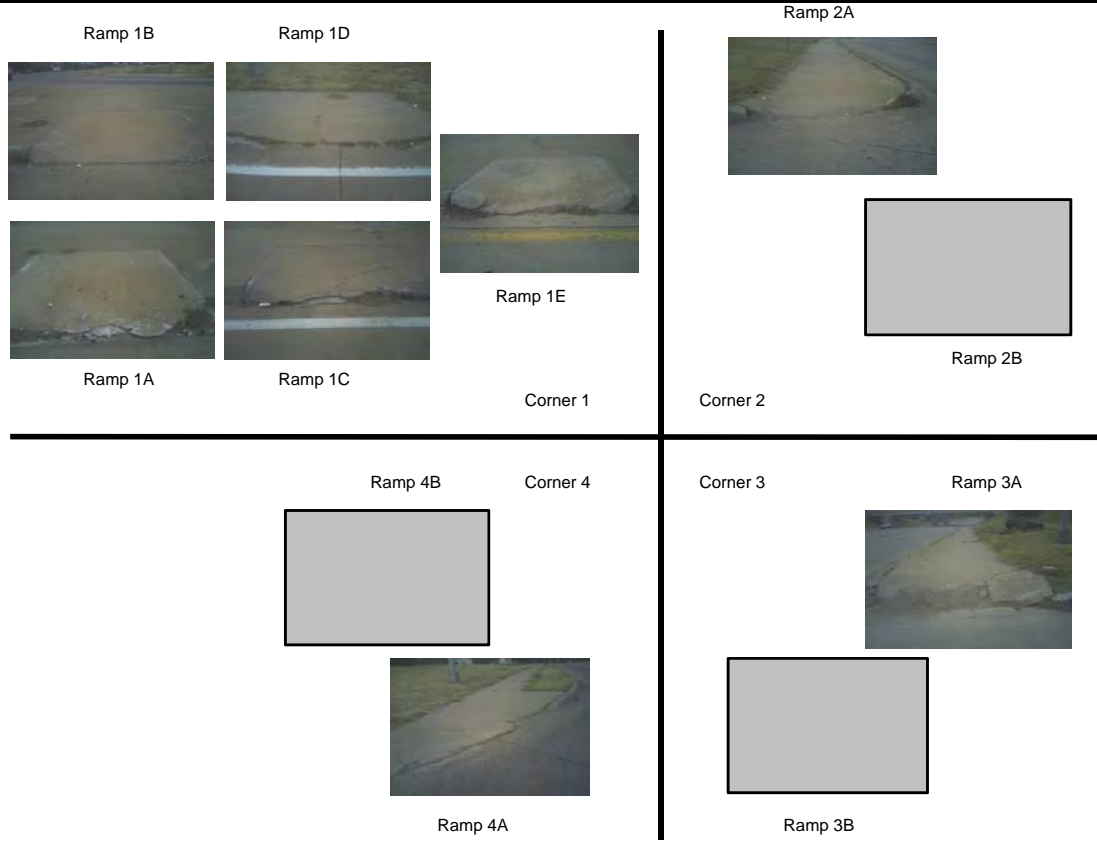
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	Good	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	-	
Crosswalk striping	No	N/A	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations	
	1A	1B	1C	1D	1E	2A	3A	4A		4C
Ramp does not land in crosswalk										
No 48" extension into crosswalk										
Ramp does not exist and is needed										
Flare cross slope is greater than 10%										
Ramp running slope is greater than 8.33%	X	X		X				X		
Ramp cross slope is greater than 2%								X	X	Remove and replace ramp
Ramp width is less than 36"										
Obstruction present in ramp or landing area										
No textured surface at base of ramp	X	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X	X	X	X	X	X	Install landing area
No pedestrian push buttons										
Pedestrian pushbutton diameter is not 2"										
Pedestrian pushbutton height is greater than 42"										
Pedestrian head offset is greater than 10' from the nearest crosswalk edge										
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist										
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X		X	X	X	Regrade roadway
Ponding occurs at base of ramp	X	X	X	X	X	X	X	X	X	
Ramp not needed due to existing geometry										
Ramp Priority:	H	H	H	H	H	M	H	H	H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,317.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,863.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,818.40
	Estimated Project Cost:	\$ 24,000.00

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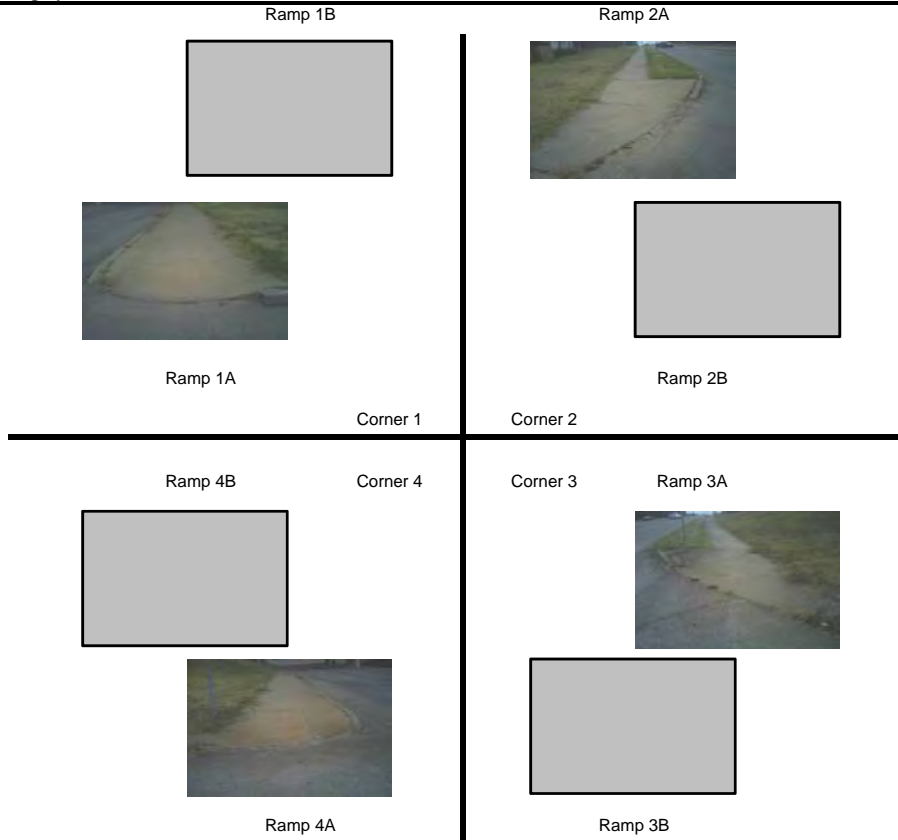
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,426.10
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,674.53
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,899.37
	Estimated Project Cost:	\$ 33,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X					X		
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X			X		X		Install colored truncated domes
No color contrast at base of ramp	X	X			X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H	H	M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$ 25,664.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 4,000.97
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 5,334.63
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X		X					
Ramp cross slope is greater than 2%	X	X		X			X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X		X			X		Install colored truncated domes
No color contrast at base of ramp	X	X		X			X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"		X			X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X			X					Remove ramp
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,864.90
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,057.90
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,077.20
	Estimated Project Cost:	\$ 26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X	X							Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"		X							Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H	H	M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,107.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,668.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,224.34
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.6	SY	\$ 10.00	\$ 556.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	55.6	SY	\$ 80.00	\$ 4,448.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	14,254.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 2,462.57
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 3,283.43
	Estimated Project Cost:	\$	20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,904.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,184.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,912.00
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%				X		X			
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp					X	X			
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	M	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Xanthus Ave

GPS ID: 37031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

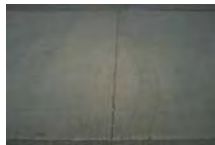
Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Yorktown Ave and E Pine St

GPS ID: 37032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,057.80
Engineering: (% +/-)	15%	\$ 2,975.23
Contingency: (% +/-)	20%	\$ 3,966.97
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

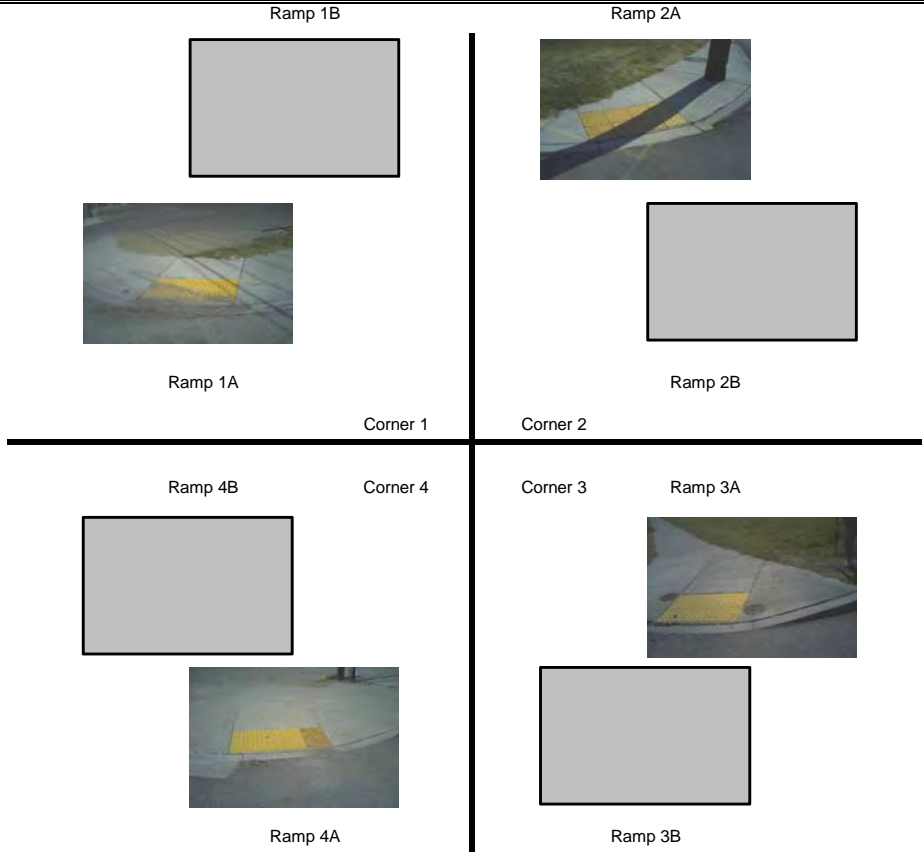
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%								X	
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%			X		X			X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and E Queen Pl

GPS ID: 37033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,948.80
Engineering: (% +/-)	15%	\$ 1,307.66
Contingency: (% +/-)	20%	\$ 1,743.54
Estimated Project Cost:	\$	11,000.00

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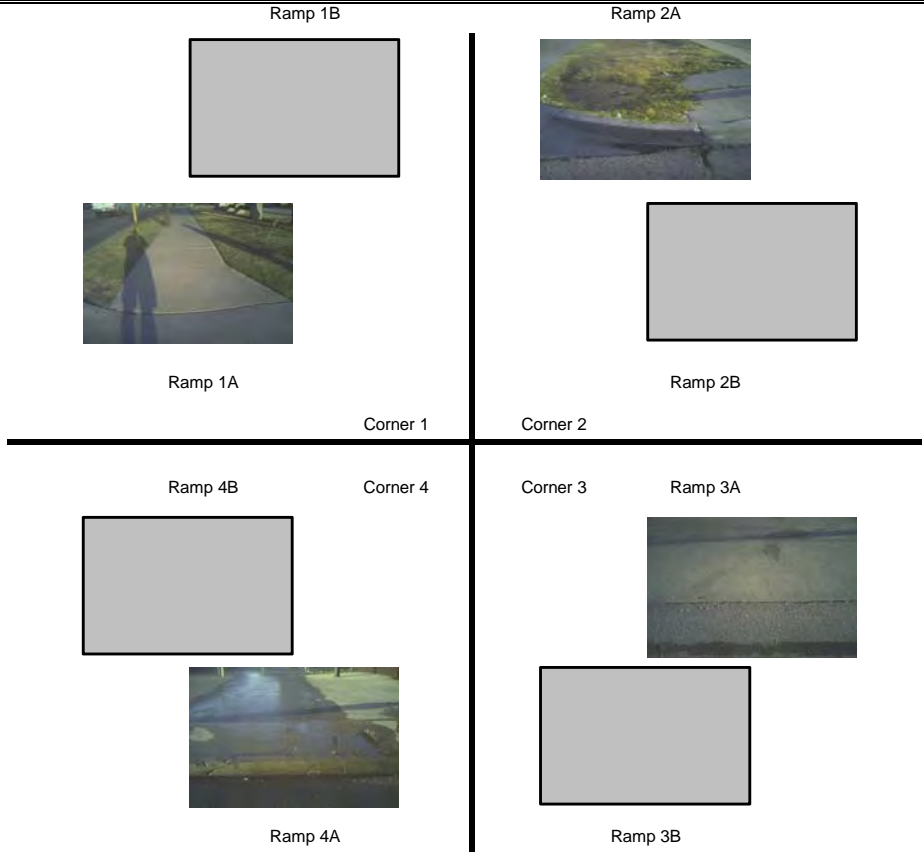
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Lewis Pl

GPS ID: 37034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	210	LF	\$ 6.50	\$ 1,365.00
5:	PAVEMENT MARKING REMOVAL	160	LF	\$ 2.00	\$ 320.00
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,897.80
Engineering: (% +/-)	15%	\$ 3,472.37
Contingency: (% +/-)	20%	\$ 4,629.83
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

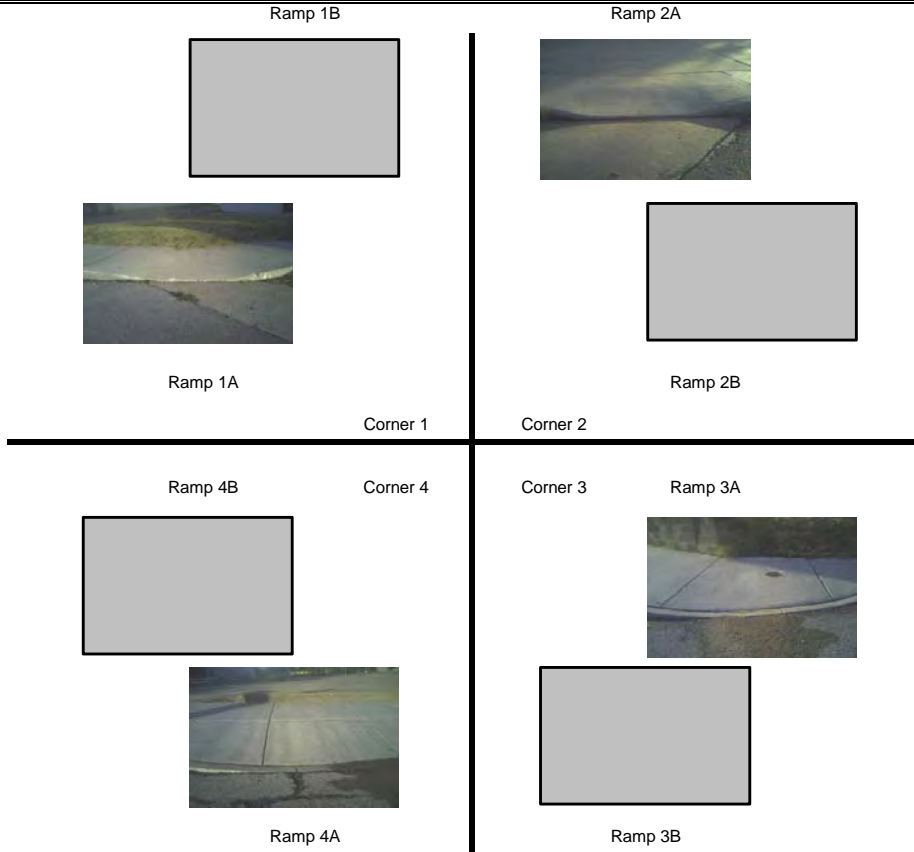
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	-	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Atlanta Ave (north)

GPS ID: 37036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

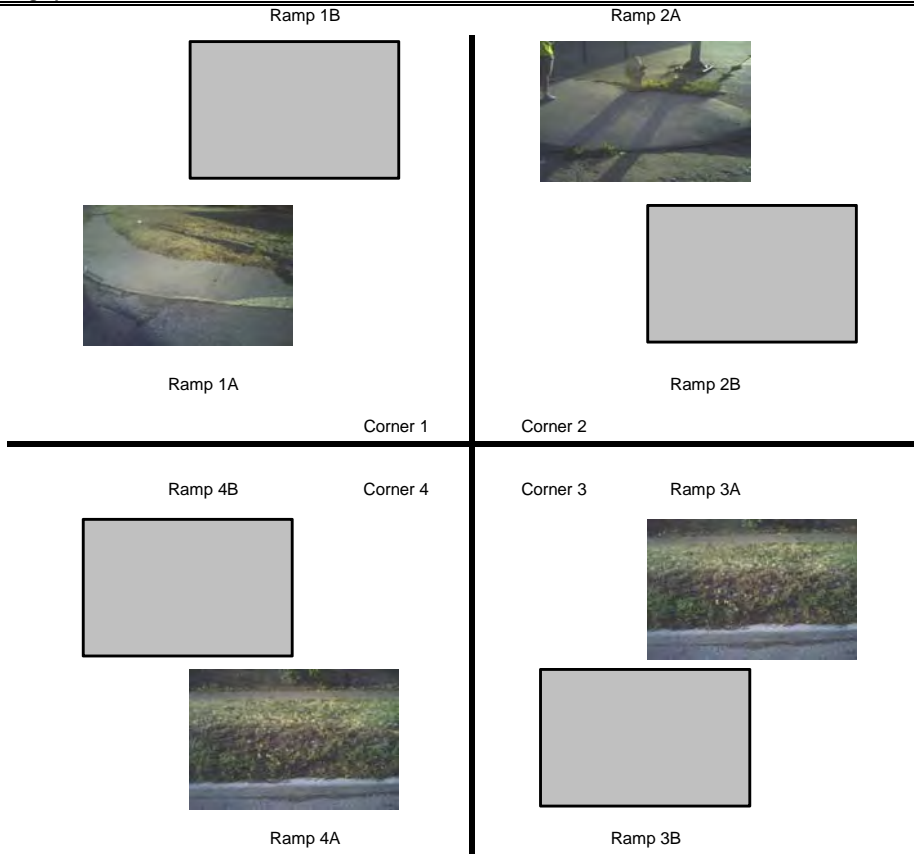
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X								Install colored truncated domes
Ramp width is less than 36"	X		X						
Obstruction present in ramp or landing area			X						Install landing area
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Atlanta Ave (south)

GPS ID: 37037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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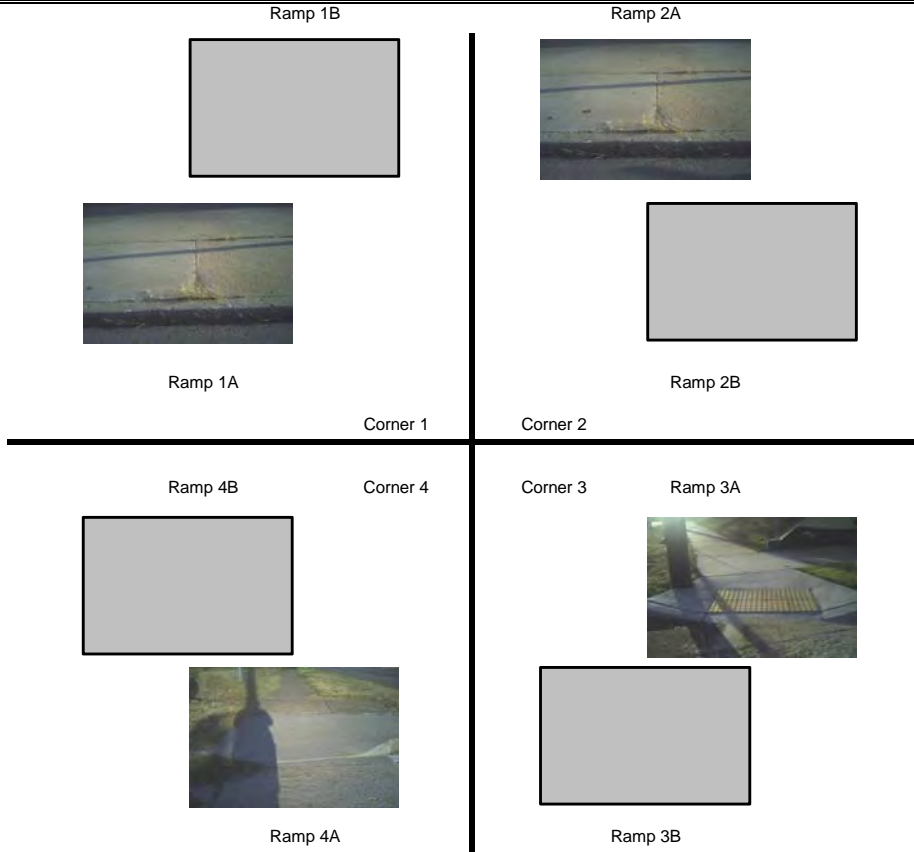
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp				X	X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	H	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Atlanta Pl

GPS ID: 37038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

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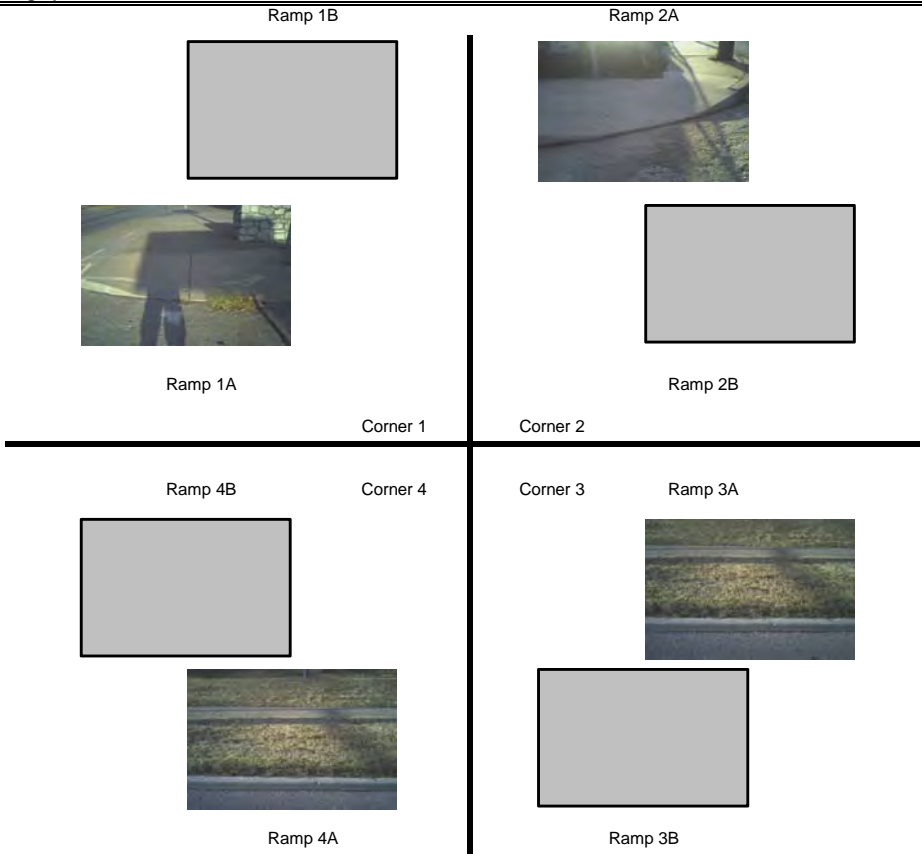
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist				X					Regrade roadway
Ramp transition onto roadway is greater than 0.25"				X					
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Atlanta Ct

GPS ID: 37039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,057.80
Engineering: (% +/-)	15%	\$ 3,832.37
Contingency: (% +/-)	20%	\$ 5,109.83
Estimated Project Cost:	\$	33,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	Worn	N/A	Worn	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X		X		X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%			X		X		X		Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Birmingham Ave

GPS ID: 37040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

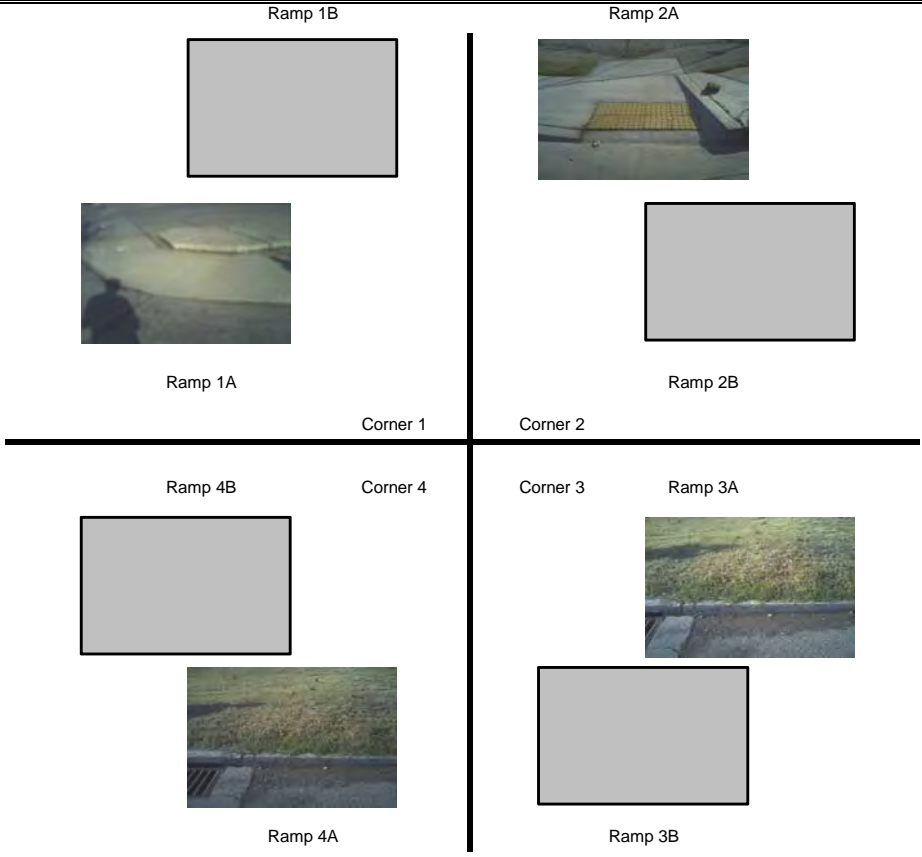
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID						Recommendations		
	1A	1B	2A	2B	3A	3B		4A	4B
Ramp does not land in crosswalk	X		X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Birmingham Pl and E Pine St

GPS ID: 37041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,057.80
Engineering: (% +/-)	15%	\$ 4,260.94
Contingency: (% +/-)	20%	\$ 5,681.26
Estimated Project Cost:	\$	36,000.00

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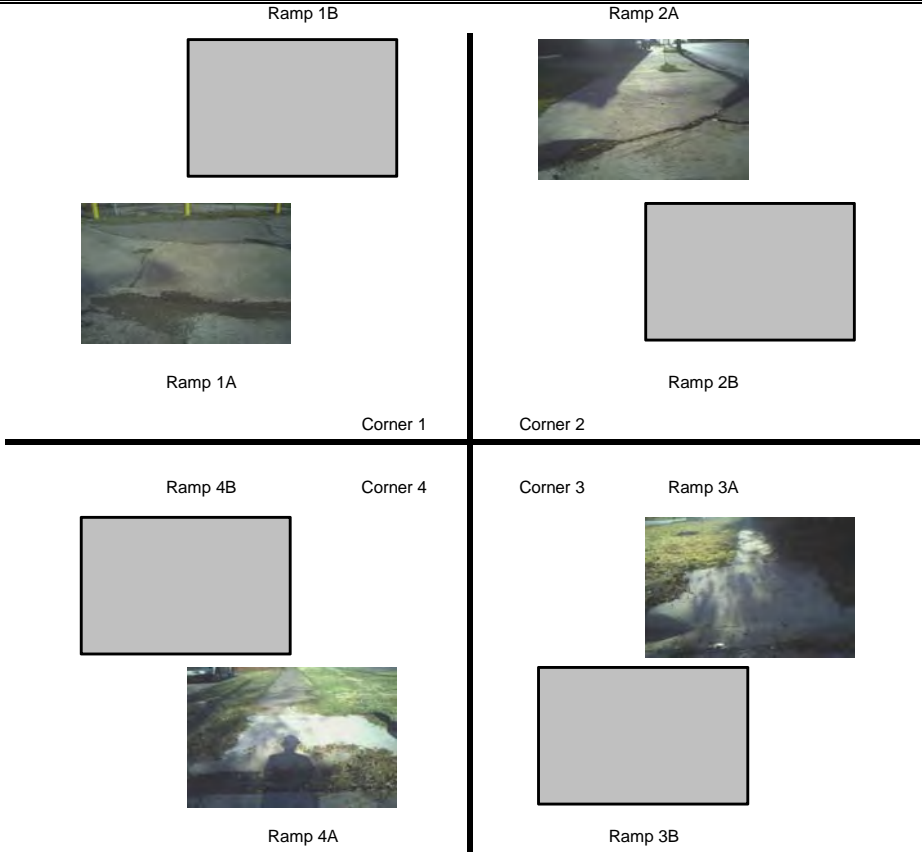
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X		Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Columbia Ave

GPS ID: 37042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	
No color contrast at base of ramp	X	X	X	X	X	X	X	X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Columbia PI

GPS ID: 37043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

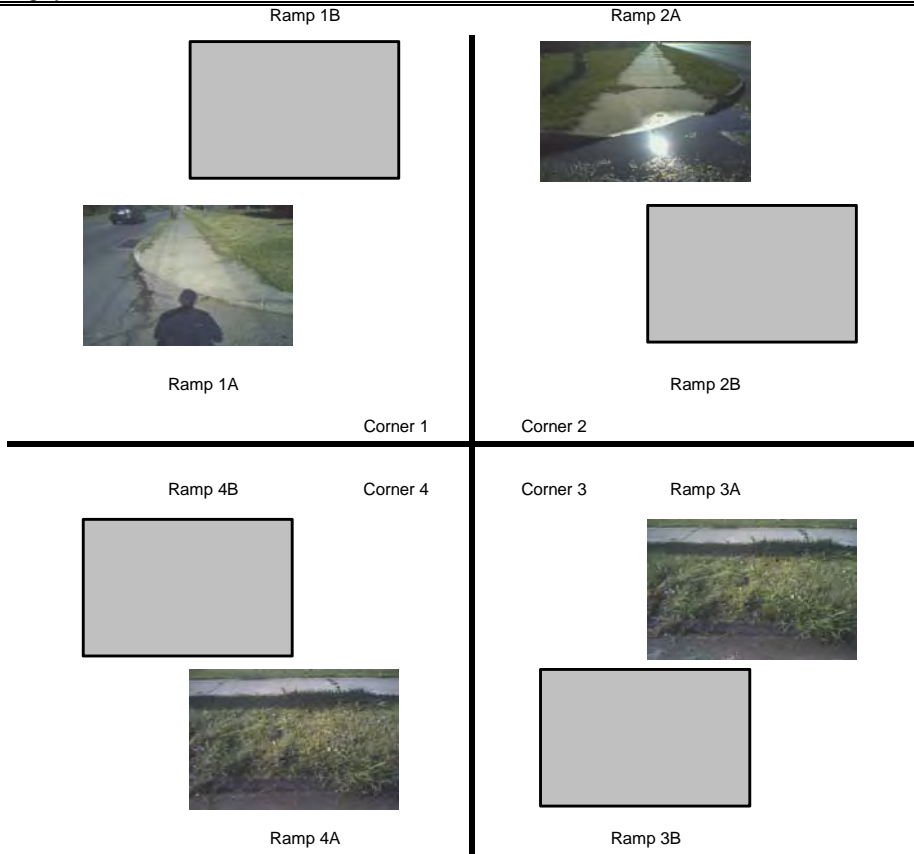
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Delaware Ave

GPS ID: 37044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,542.20
Engineering: (% +/-)	15%	\$ 4,053.34
Contingency: (% +/-)	20%	\$ 5,404.46
Estimated Project Cost:	\$	34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X	X			Remove and replace ramp
Ramp cross slope is greater than 2%	X				X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X	X			Install colored truncated domes
No color contrast at base of ramp	X		X		X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry				X				X	Remove ramp
Ramp Priority:	H		M	M	M		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Delaware Pl and E Pine St

GPS ID: 37045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,271.00
Engineering: (% +/-)	15%	\$ 4,169.57
Contingency: (% +/-)	20%	\$ 5,559.43
Estimated Project Cost:	\$	37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%		X					X	X	Remove and replace ramp
Ramp cross slope is greater than 2%			X				X	X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X	X				X	X	Install colored truncated domes
No color contrast at base of ramp		X	X				X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X				X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp		X	X				X	X	Regrade roadway
Ramp not needed due to existing geometry	X			X	X			X	
Ramp Priority:	H	M	M	M	H	M	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

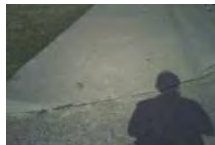
Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Evanston Ave and E Pine St

GPS ID: 37046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,206.00
Engineering: (% +/-)	15%	\$ 4,197.43
Contingency: (% +/-)	20%	\$ 5,596.57
Estimated Project Cost:	\$	35,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%		X					X	X	
Ramp cross slope is greater than 2%		X	X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X	X				X	X	
No color contrast at base of ramp		X	X				X	X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X				X	X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist							X		Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp		X							
Ramp not needed due to existing geometry	X			X	X			X	Remove ramp
Ramp Priority:	H	H	M	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Evanston Pl and E Pine St

GPS ID: 37047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,399.50
Engineering: (% +/-)	15%	\$ 3,685.93
Contingency: (% +/-)	20%	\$ 4,914.57
Estimated Project Cost:	\$	32,000.00

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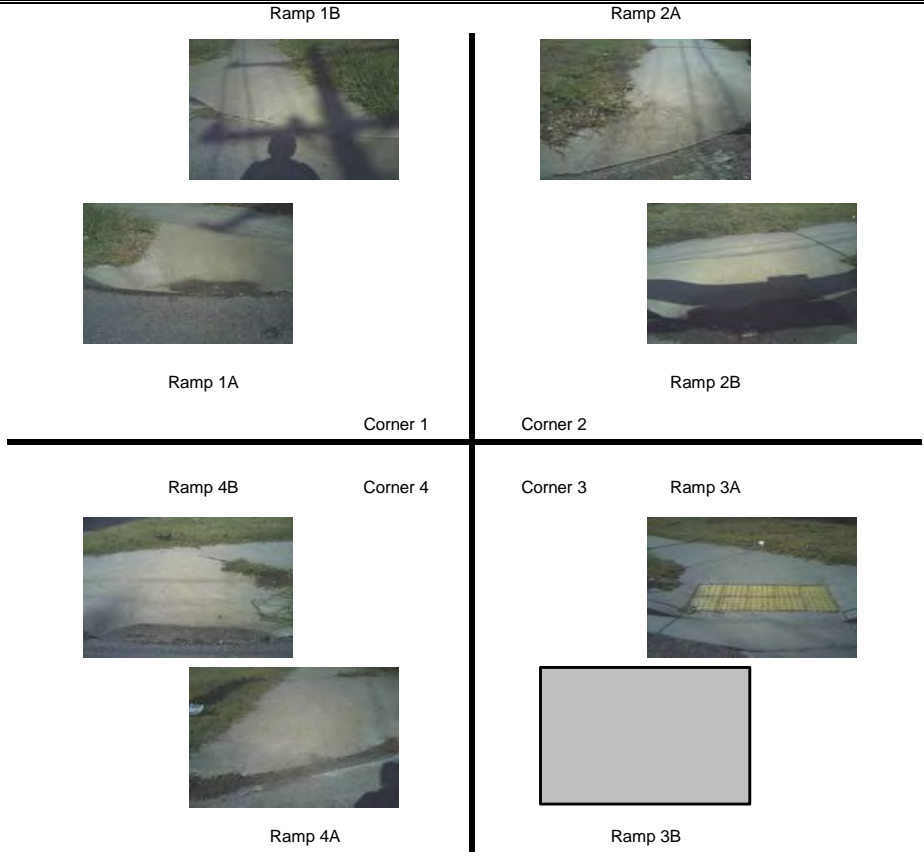
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%		X						X	
Ramp cross slope is greater than 2%		X	X					X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X	X		X			X	
No color contrast at base of ramp		X	X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X					X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist								X	
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp		X	X						
Ramp not needed due to existing geometry	X			X				X	
Ramp Priority:	H	H	M	H	M			H	H



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N College Ave and E Pine St

GPS ID: 37048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2:	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3:	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	32,270.80
Engineering: (% +/-)	15%	\$ 5,026.80
Contingency: (% +/-)	20%	\$ 6,702.40
Estimated Project Cost:	\$	44,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X	X	X			X			Remove and replace ramp
Ramp cross slope is greater than 2%	X	X	X			X	X	X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X			X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X			X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X			X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp	X							X	
Ramp not needed due to existing geometry					X	X			Remove ramp
Ramp Priority:	H	H	H	H	M	M	M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Florence Ave

GPS ID: 37049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Florence PI

GPS ID: 37050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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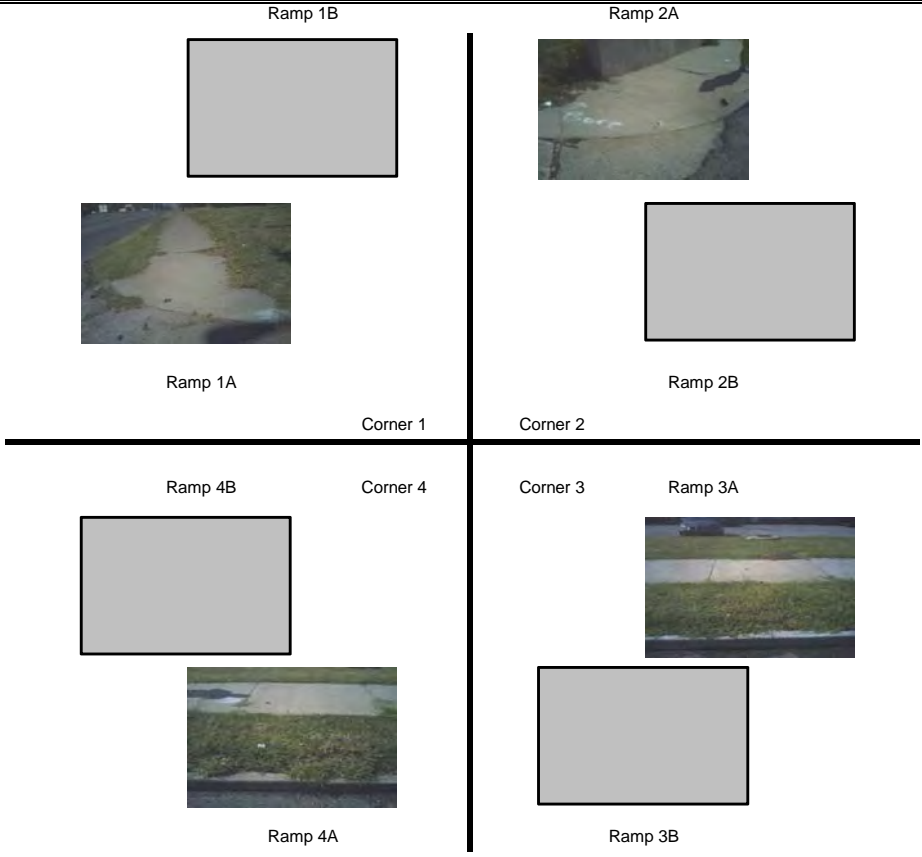
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									Install landing area
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									Install landing area
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Gary Ave and E Pine St

GPS ID: 37051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,679.20
Engineering: (% +/-)	15%	\$ 1,851.77
Contingency: (% +/-)	20%	\$ 2,469.03
Estimated Project Cost:	\$	16,000.00

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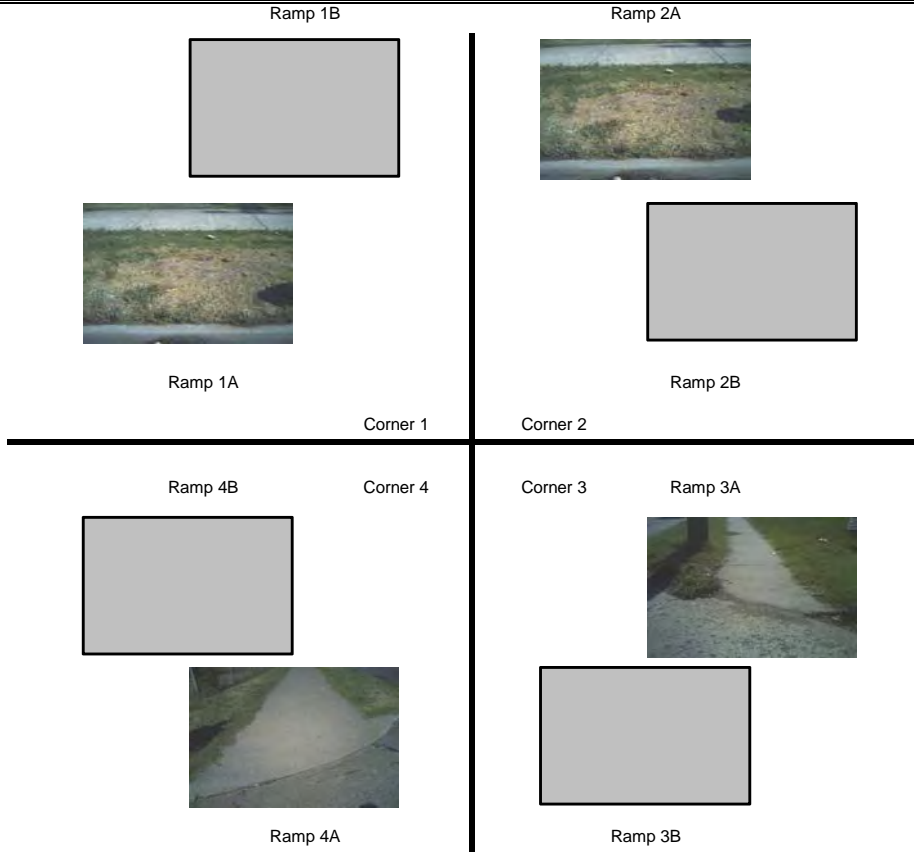
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:					M	M			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Gary Pl and E Pine St

GPS ID: 37052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,679.20
Engineering: (% +/-)	15%	\$ 1,851.77
Contingency: (% +/-)	20%	\$ 2,469.03
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

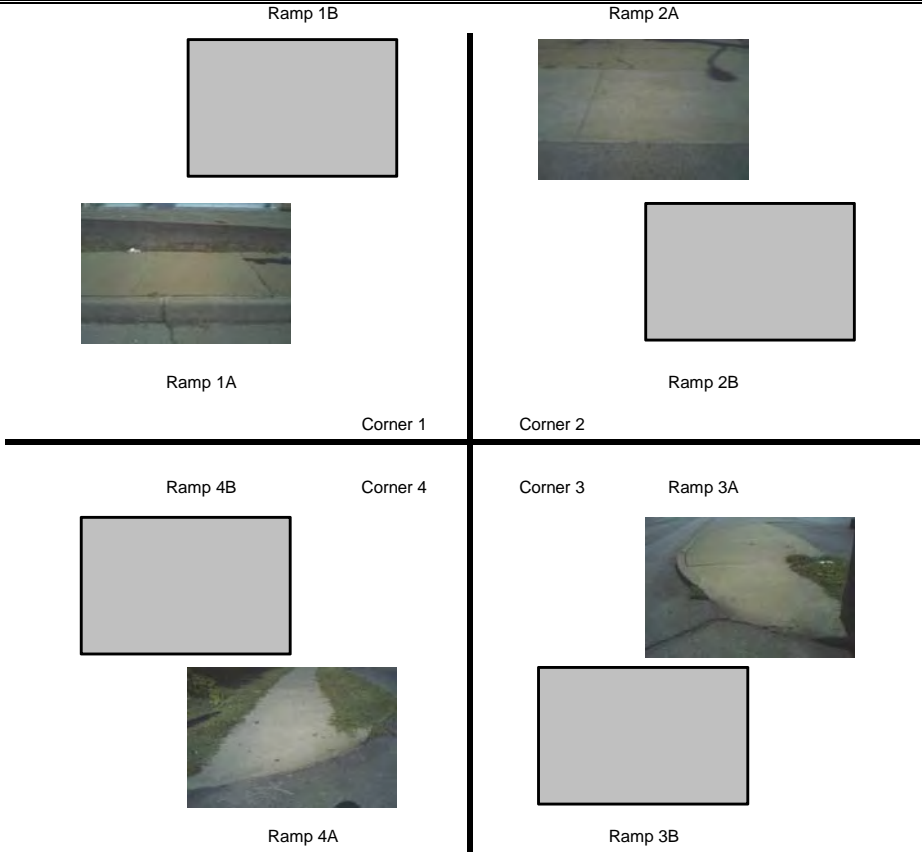
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X				
No color contrast at base of ramp					X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	-	-	M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Indianapolis Ave

GPS ID: 37053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	52.81	SY	\$ 10.00	\$ 528.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	52.81	SY	\$ 80.00	\$ 4,224.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	30	SF	\$ 30.00	\$ 900.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,781.20
Engineering: (% +/-)	15%	\$ 2,665.20
Contingency: (% +/-)	20%	\$ 3,553.60
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

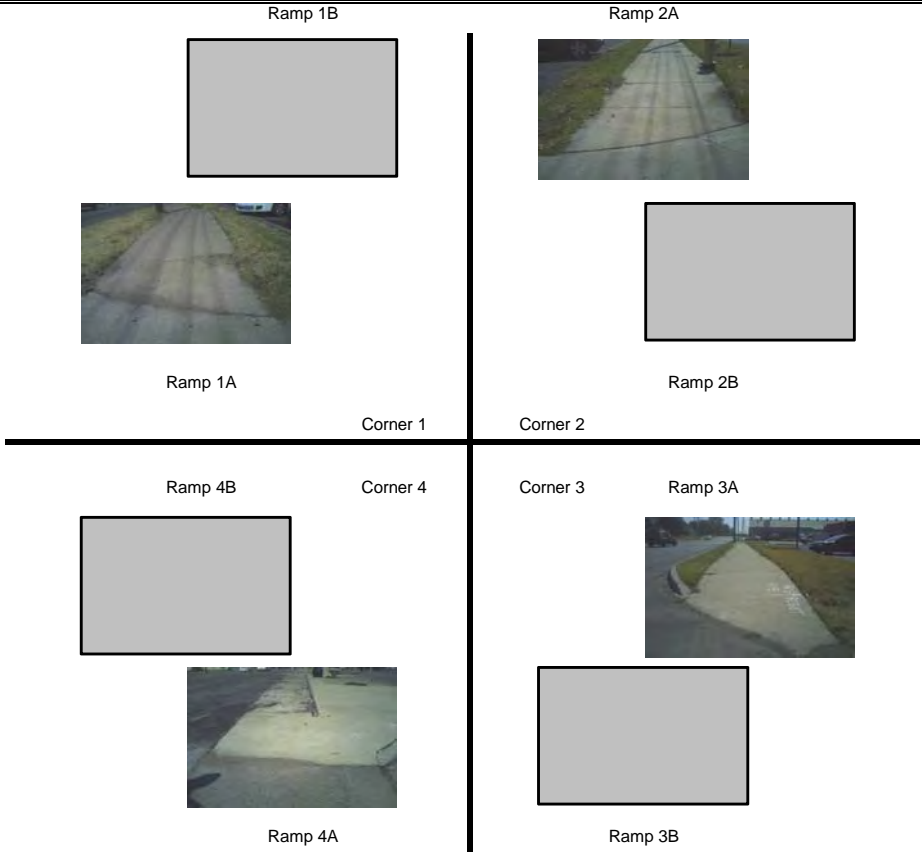
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X	X	X	X	X	X	X	X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M	M	M	M	M	M	M	M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Knoxville Ave and E Pine St

GPS ID: 37054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

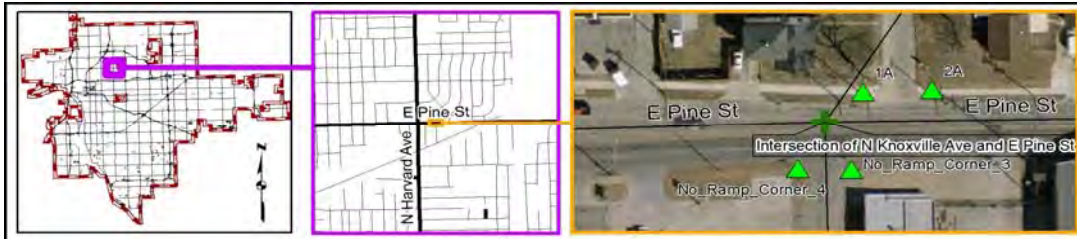
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,424.00
Engineering: (% +/-)	15%	\$ 3,246.86
Contingency: (% +/-)	20%	\$ 4,329.14
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

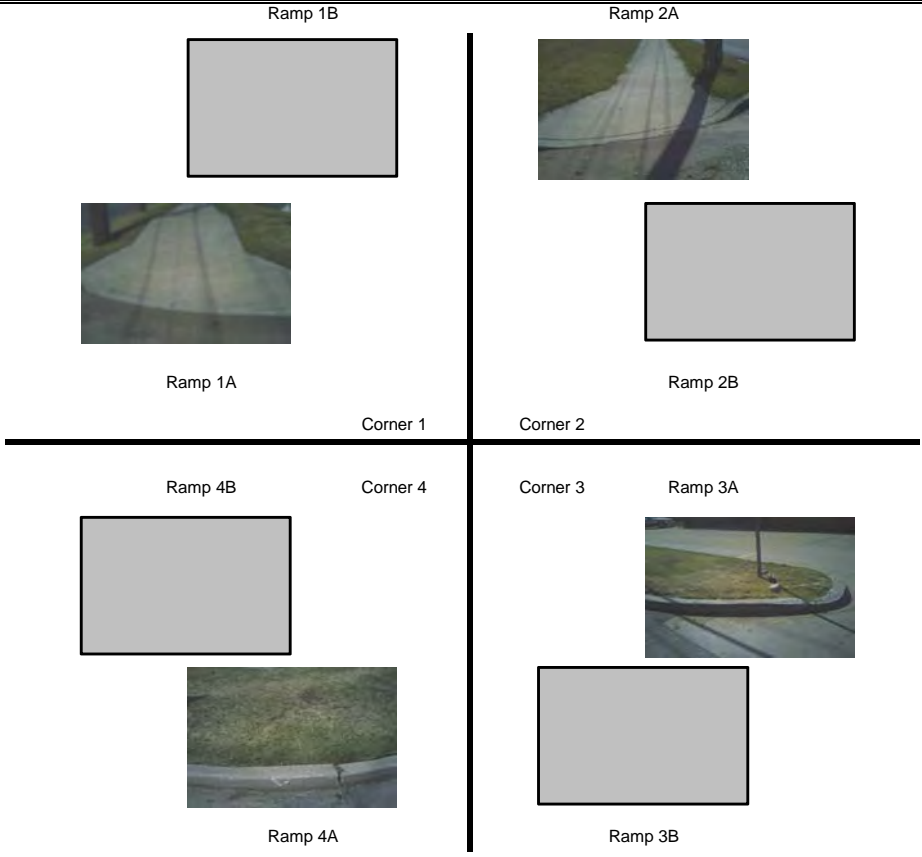
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Louisville Ave

GPS ID: 37055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	M		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Marion Ave

GPS ID: 37056

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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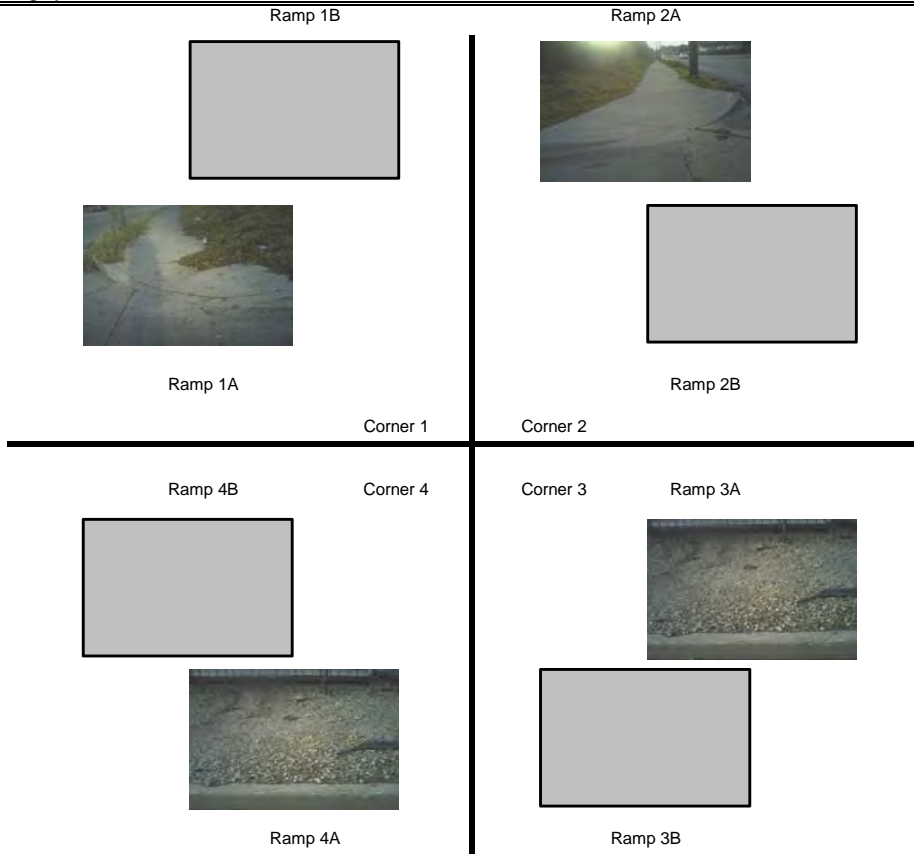
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Oswego Ave and E Pine St

GPS ID: 37057

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

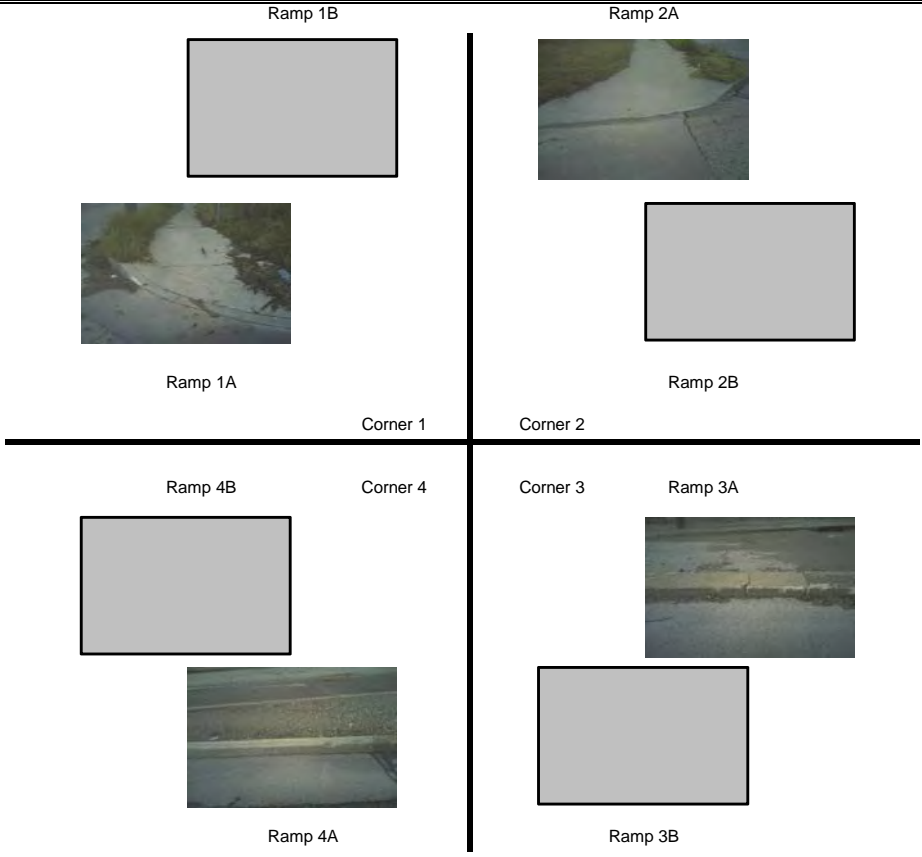
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									Install landing area
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Dawson Rd and E Pine St

GPS ID: 37058

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

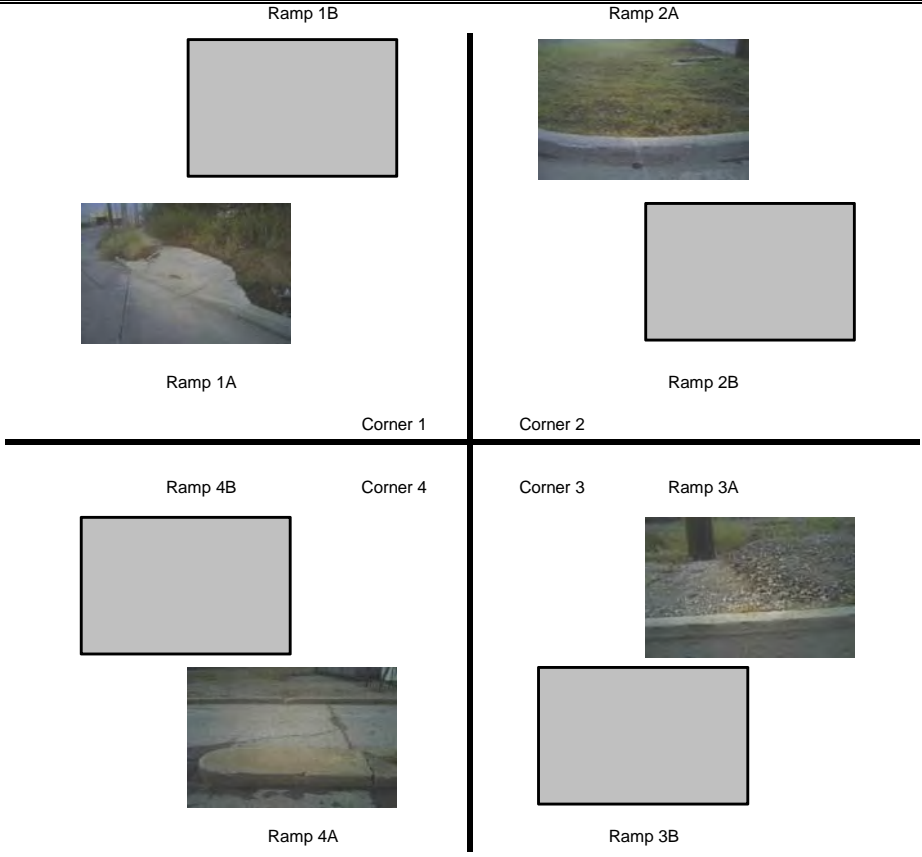
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk			X						
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Install colored truncated domes
Ramp width is less than 36"	X								
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									Install landing area
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	M		H		-				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Irvington Ave and E Pine St

GPS ID: 37059

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

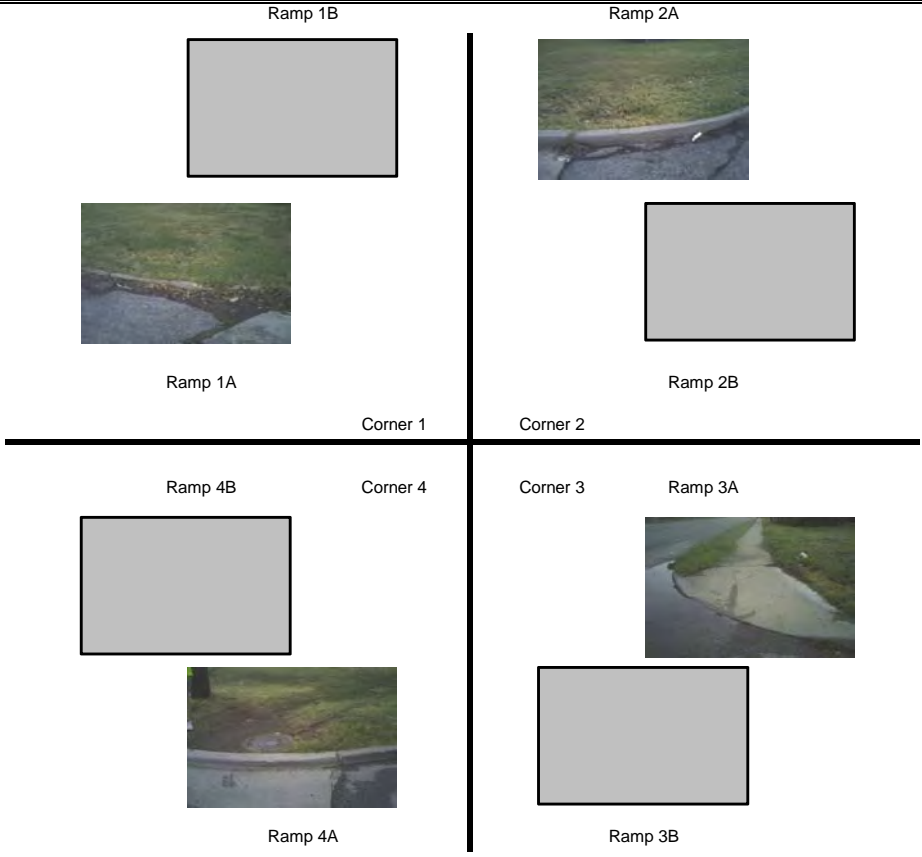
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp						X			Install colored truncated domes
No color contrast at base of ramp						X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Pine St and N Joplin Ave

GPS ID: 37060

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,424.00
Engineering: (% +/-)	15%	\$ 3,675.43
Contingency: (% +/-)	20%	\$ 4,900.57
Estimated Project Cost:	\$	32,000.00

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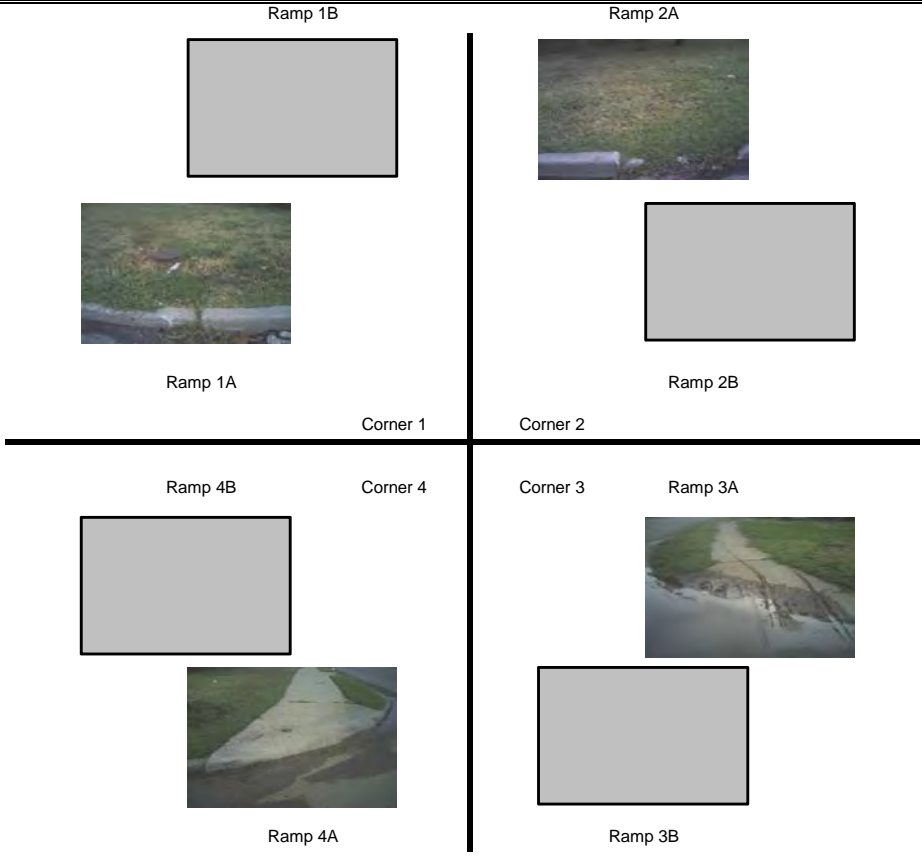
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Kingston Ave and E Pine St

GPS ID: 37061

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,229.00
Engineering: (% +/-)	15%	\$ 3,759.00
Contingency: (% +/-)	20%	\$ 5,012.00
Estimated Project Cost:	\$	32,000.00

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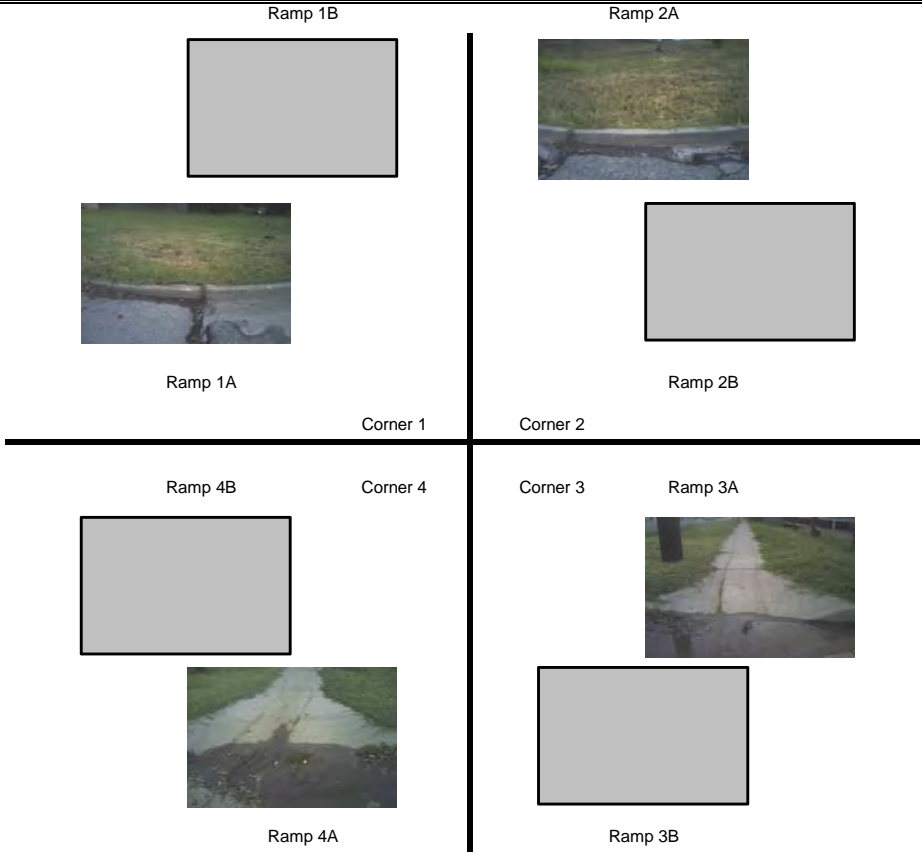
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X	X			Remove and replace ramp
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X	X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	220	LF	\$ 6.50	\$ 1,430.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 29,061.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,687.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,250.40
	Estimated Project Cost:	\$ 40,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	Worn	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,435.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,956.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,608.46
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H						

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,822.06
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 22,171.80
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 3,354.94
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 4,473.26
		Estimated Project Cost:	\$ 30,000.00

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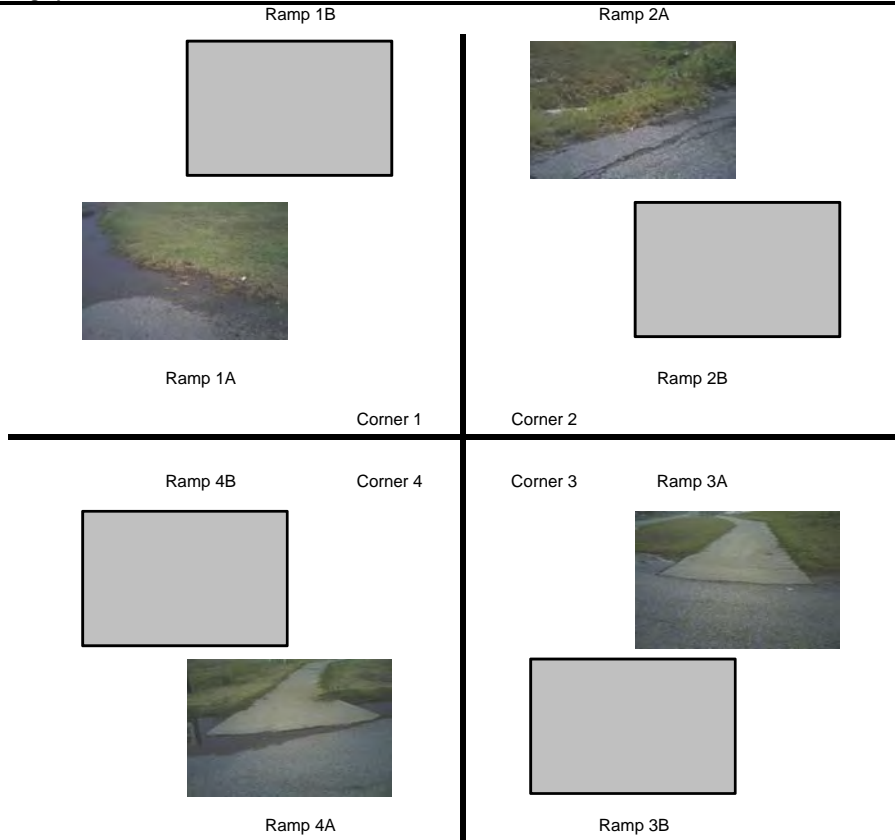
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,354.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,133.91
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,511.89
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	-	N/A	N/A	
Crosswalk striping	-	-	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,646.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,437.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,916.34
	Estimated Project Cost:	\$ 12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	-	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,817.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 935.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,247.09
	Estimated Project Cost:	\$ 8,000.00

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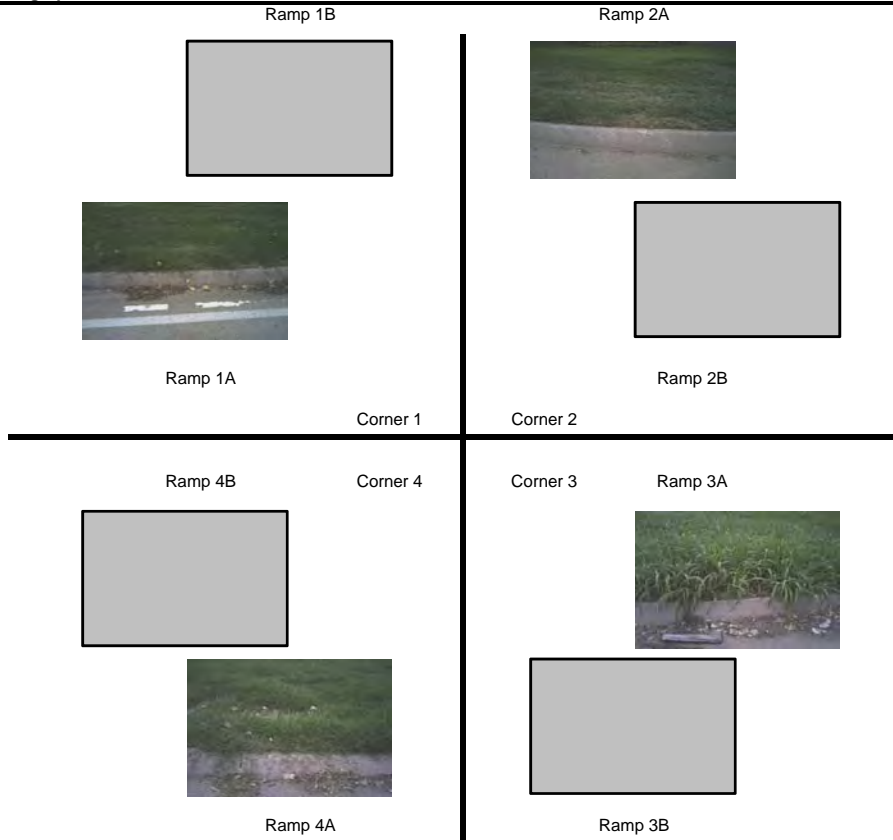
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	-	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 5,297.60
<input checked="" type="checkbox"/>	No Design			Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/>	Preliminary Design			Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/>	Final Design			Estimated Project Cost:	\$ 8,000.00

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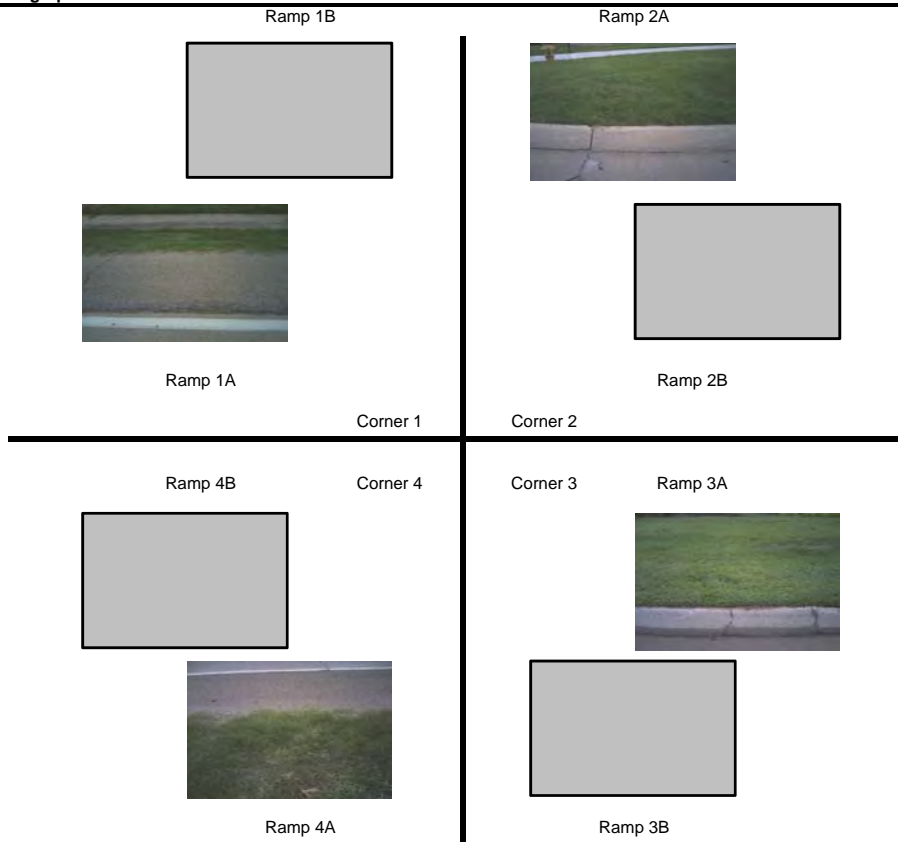
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	-	-	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 21,339.20
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 3,283.20
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 4,377.60
		Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	-	N/A	N/A	
Crosswalk striping	Worn	-	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	1C	2A	2B	2C	3A	3B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X	X	X	X	X				
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X	X	X		Install colored truncated domes
No color contrast at base of ramp			X	X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X				X		X		Regrade roadway
Ponding occurs at base of ramp				X			X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H	H	H		

Ramp 1B



Ramp 2A



Ramp 1C



Ramp 1A



Ramp 2B



Ramp 2C

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,949.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,735.84
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,314.46
	Estimated Project Cost:	\$ 13,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	-	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,232.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,186.29
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,581.71
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	-	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,949.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,164.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,885.94
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	-	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			L	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,817.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 935.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,247.09
	Estimated Project Cost:	\$ 8,000.00

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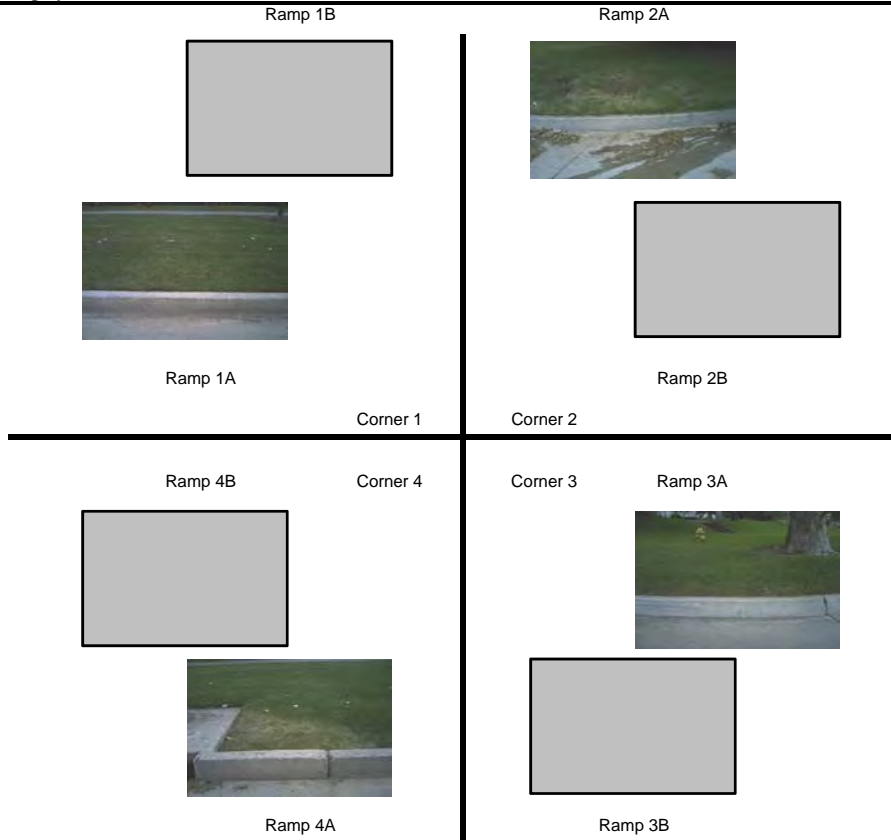
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	-	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	-	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H		-		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,733.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,400.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,866.86
	Estimated Project Cost:	\$ 12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	-	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	-	Worn	-	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry	X		X						Remove ramp
Ramp Priority:	H		H	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,428.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,530.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,041.03
	Estimated Project Cost:	\$ 12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,359.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,417.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,223.09
	Estimated Project Cost:	\$ 20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost: \$	17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,668.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,428.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,904.00
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X		X						Remove ramp
Ramp Priority:	H		H	H	M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

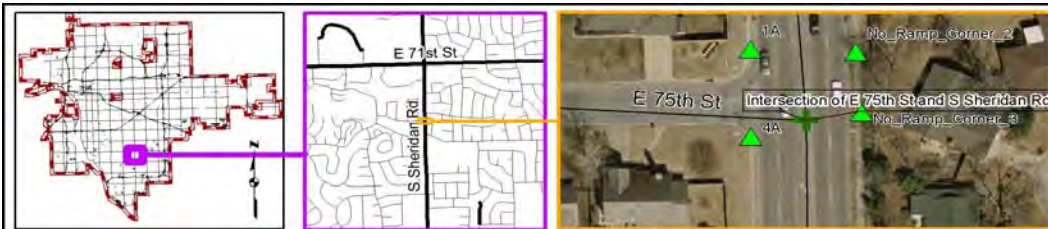
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,606.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,025.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,367.77
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	-	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 5,931.40
<input checked="" type="checkbox"/>	No Design			Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/>	Preliminary Design			Contingency: (% +/-)	20% \$ 1,753.49
<input type="checkbox"/>	Final Design			Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$ 6,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,642.06
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,642.06
	Estimated Project Cost:	\$ 11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

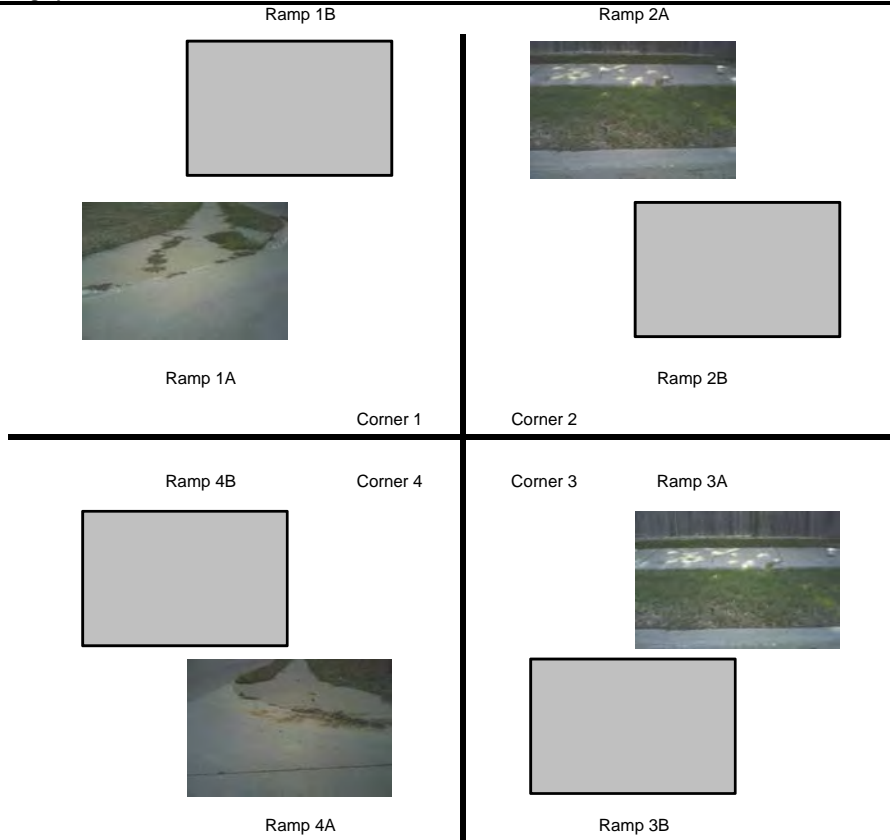
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	52	LF	\$ 6.50	\$ 338.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,944.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,166.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,888.91
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 60th St (east)

GPS ID: 39015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,679.20
Engineering: (% +/-)	15%	\$ 1,851.77
Contingency: (% +/-)	20%	\$ 2,469.03
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 60th St (west)

GPS ID: 39016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 40.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,679.20
Engineering: (% +/-)	15%	\$ 1,423.20
Contingency: (% +/-)	20%	\$ 1,897.60
Estimated Project Cost:	\$	10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 58th St

GPS ID: 39017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,862.80
Engineering: (% +/-)	15%	\$ 3,915.94
Contingency: (% +/-)	20%	\$ 5,221.26
Estimated Project Cost:	\$	35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

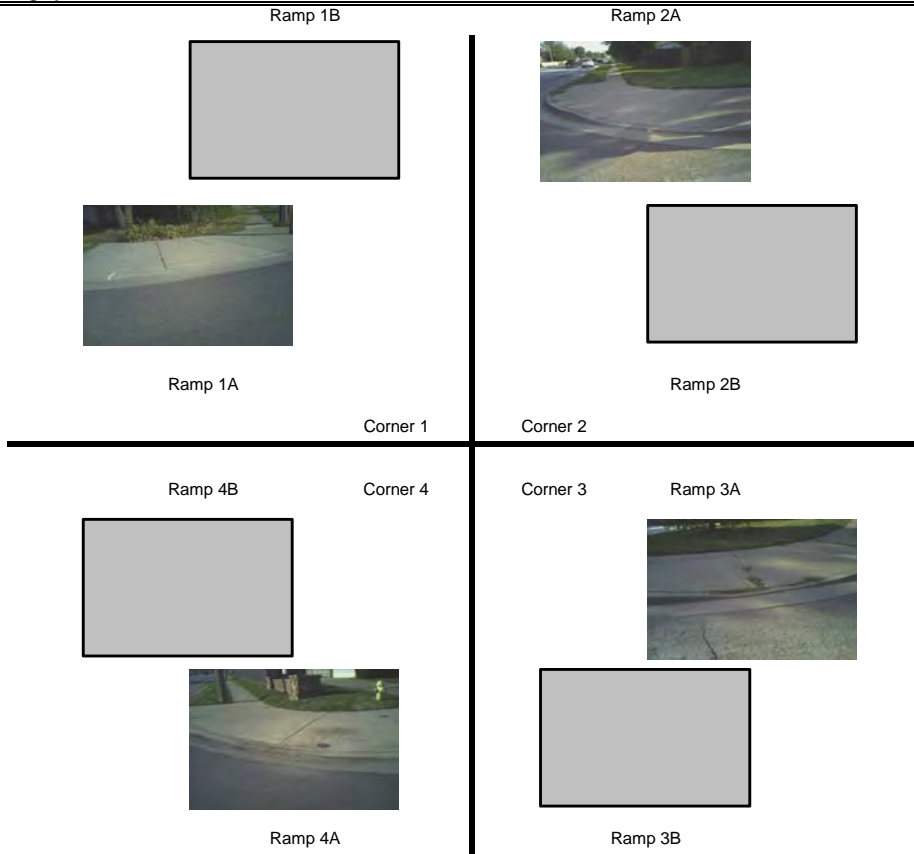
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X	X				Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X				Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X	X	X				Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 56th St and S Sheridan Rd

GPS ID: 39018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

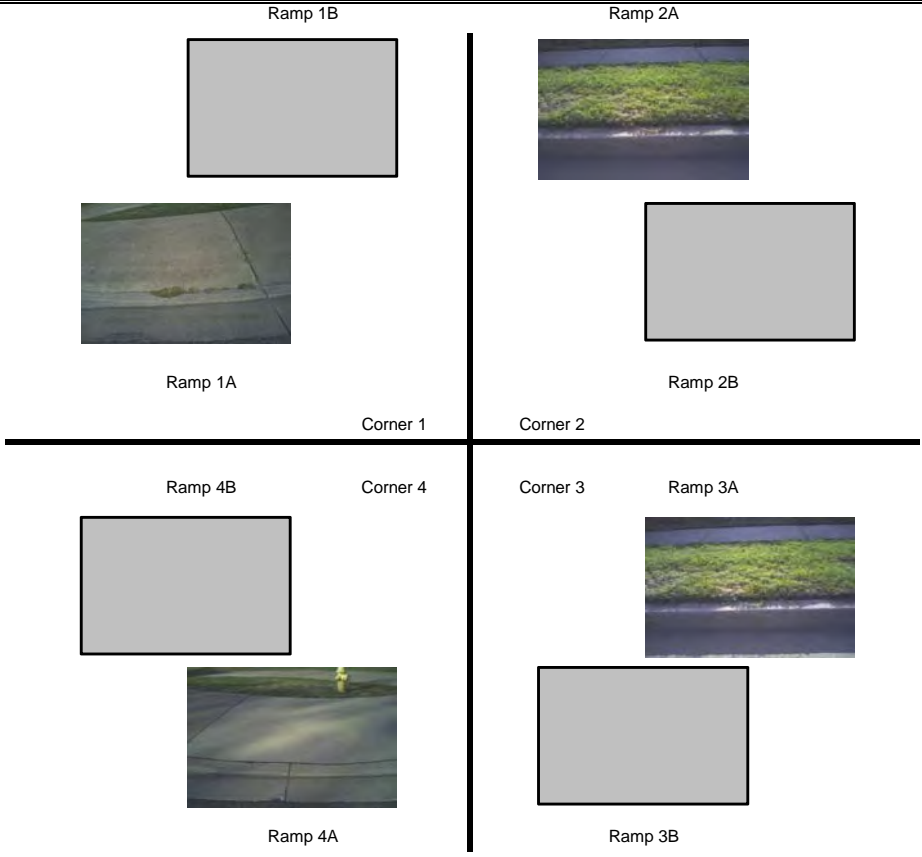
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 55th St

GPS ID: 39019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,809.20
Engineering: (% +/-)	15%	\$ 1,367.49
Contingency: (% +/-)	20%	\$ 1,823.31
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

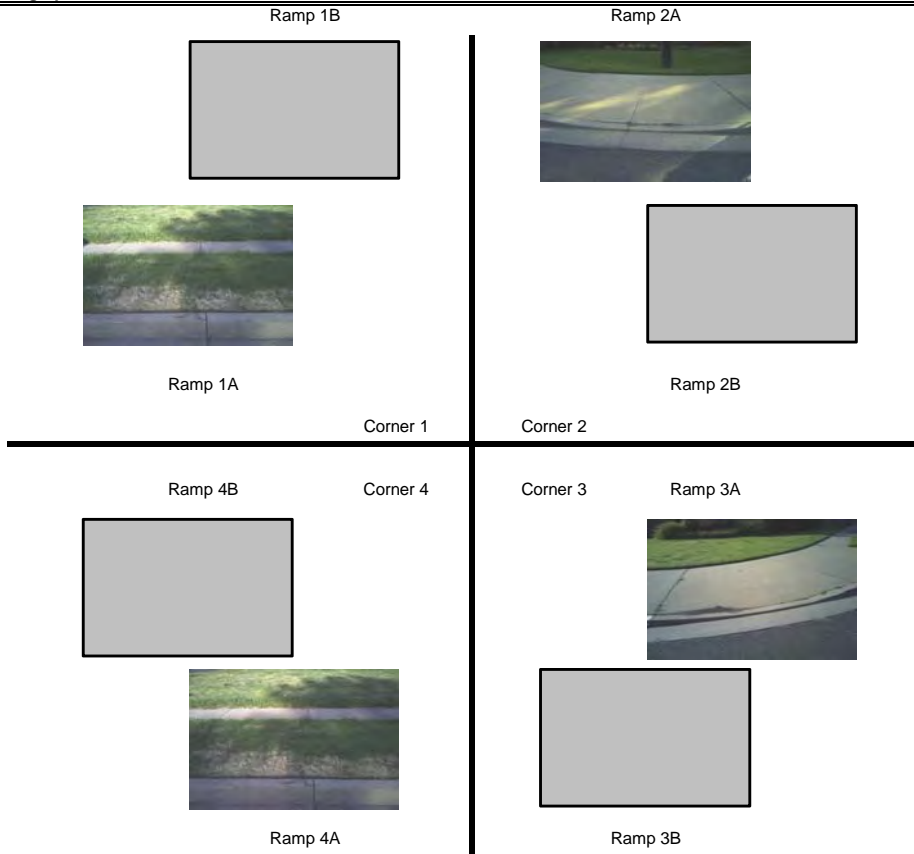
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 53rd St

GPS ID: 39020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 40.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,176.00
Engineering: (% +/-)	15%	\$ 781.71
Contingency: (% +/-)	20%	\$ 1,042.29
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

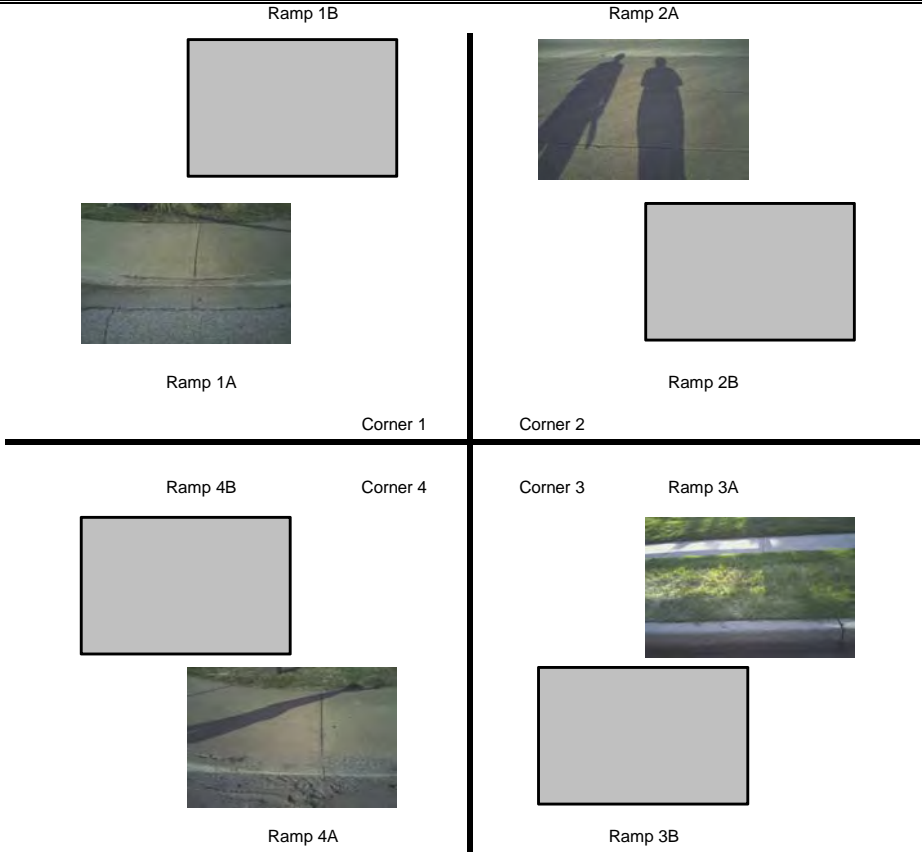
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 51st Pl

GPS ID: 39021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

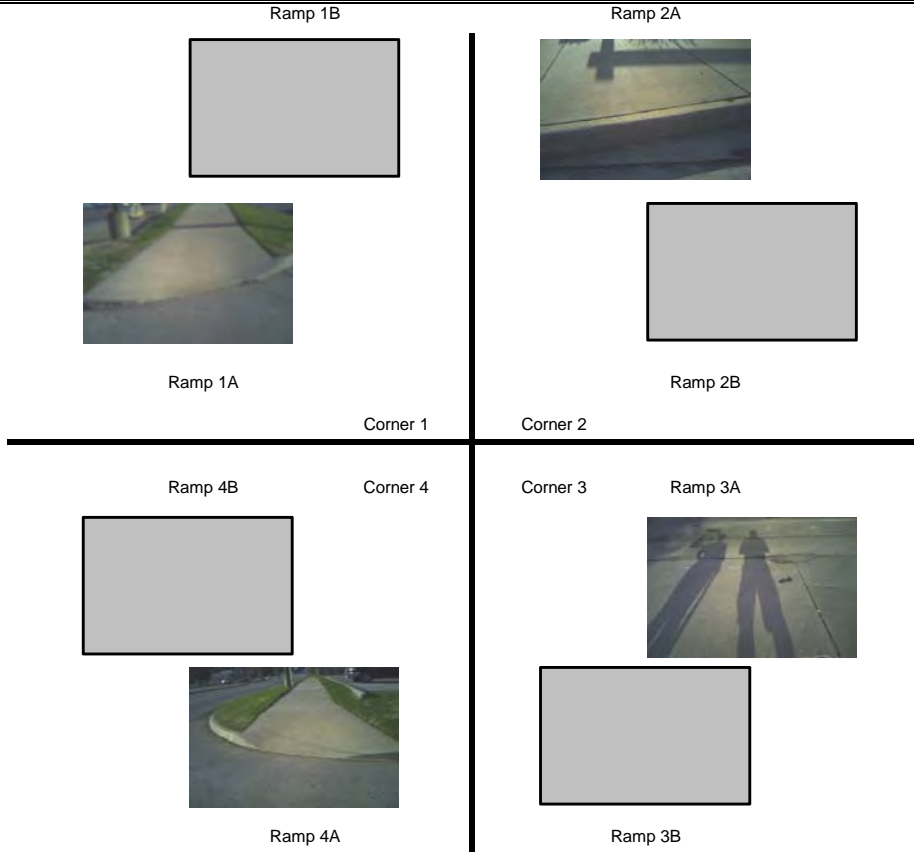
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 50th St

GPS ID: 39022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

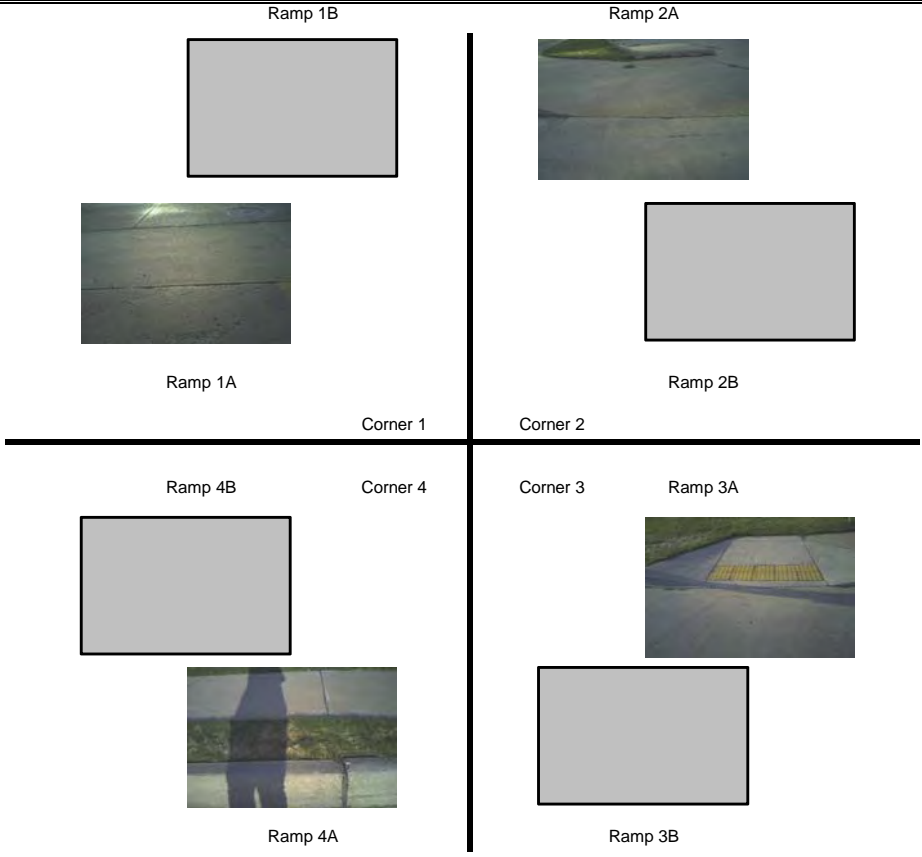
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 48th St (west)

GPS ID: 39023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

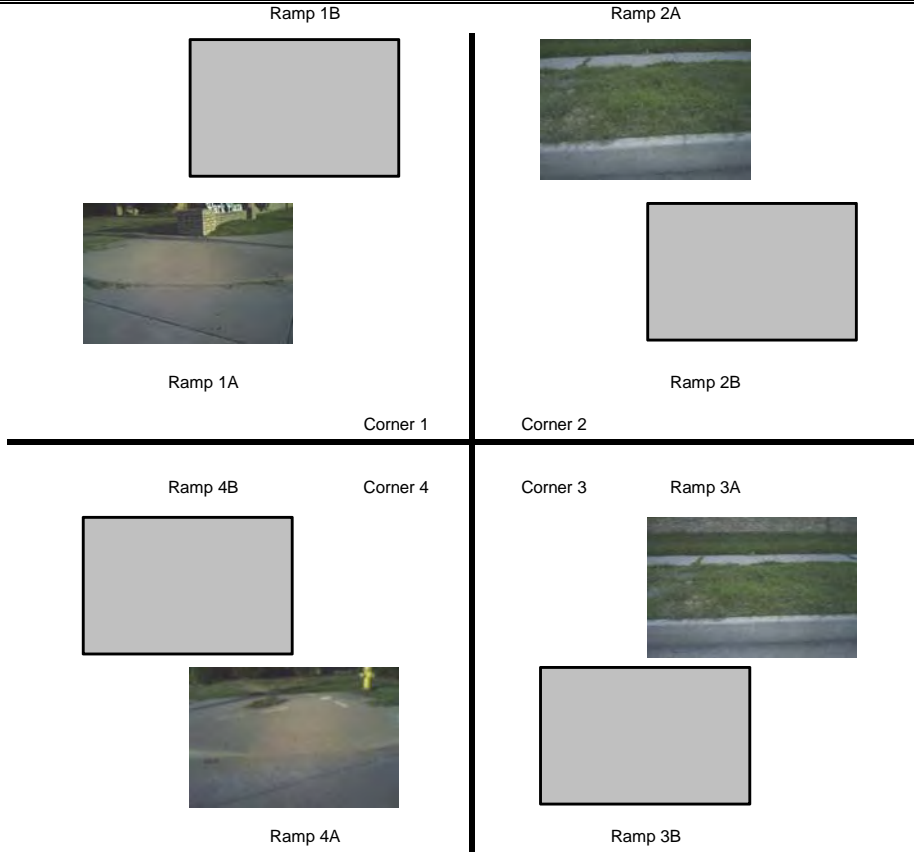
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	-	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 48th St (east)

GPS ID: 39024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

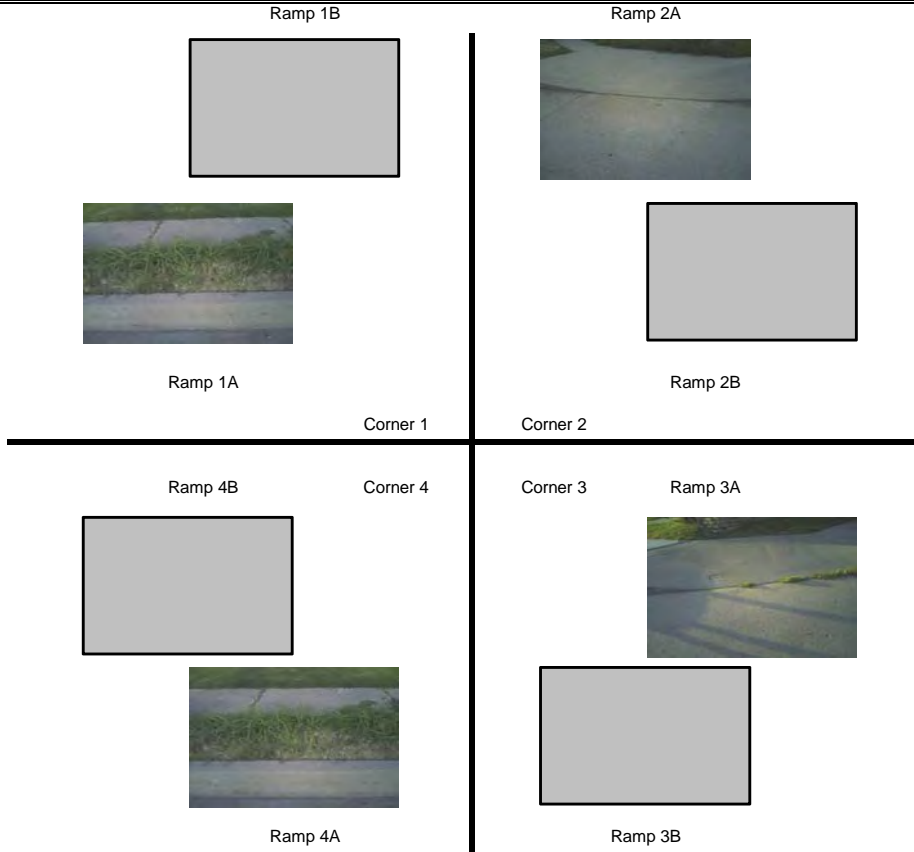
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 47th St

GPS ID: 39025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

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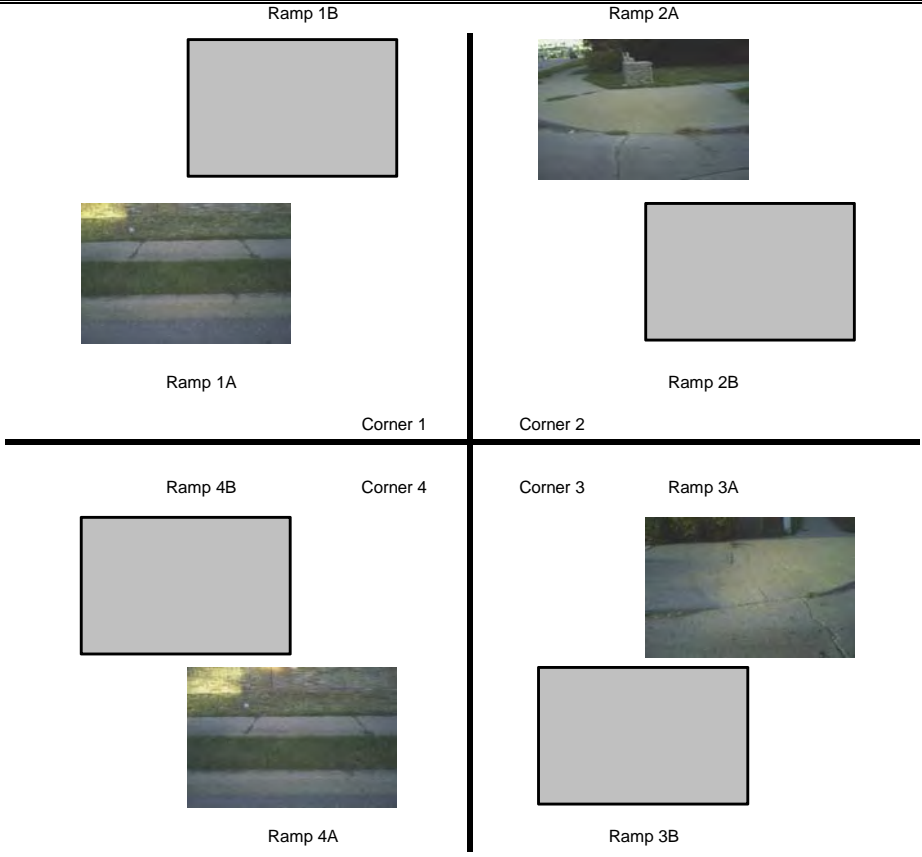
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th St and S Sheridan Rd

GPS ID: 39026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

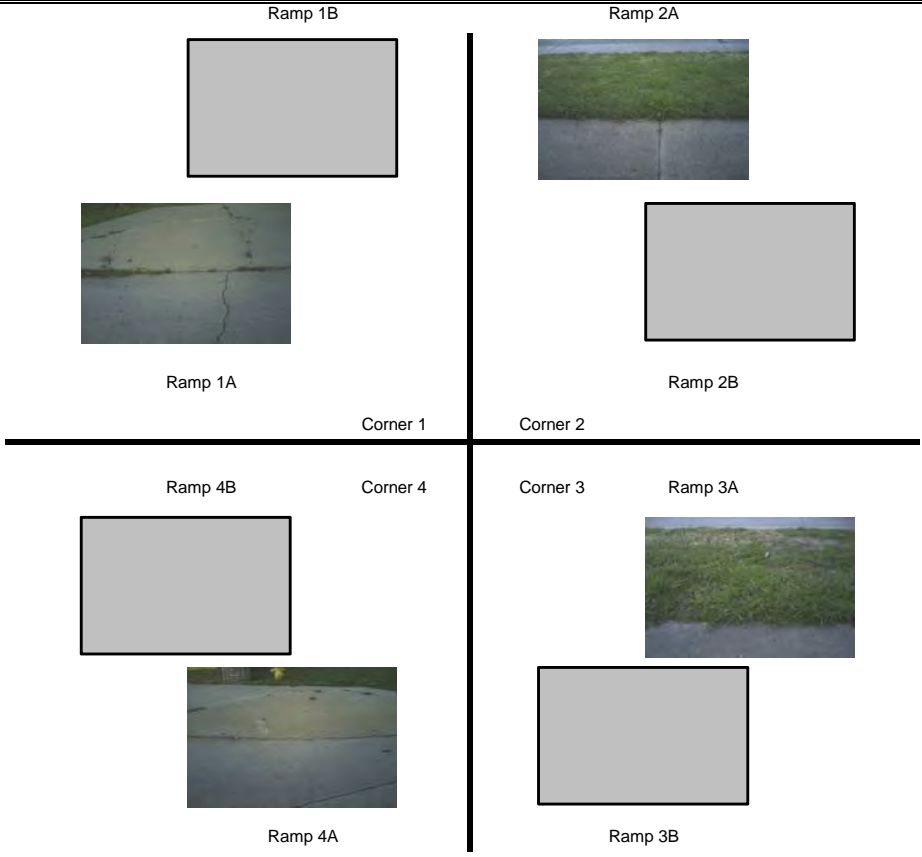
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 44th St

GPS ID: 39027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 42nd St

GPS ID: 39028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

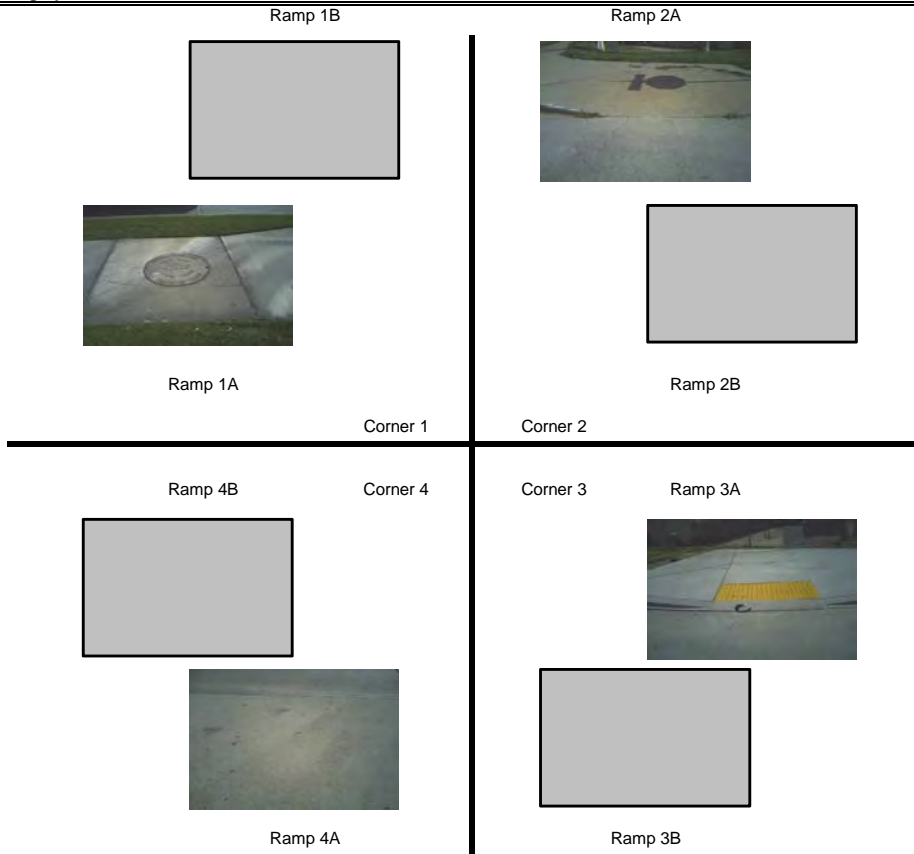
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 40th St

GPS ID: 39029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

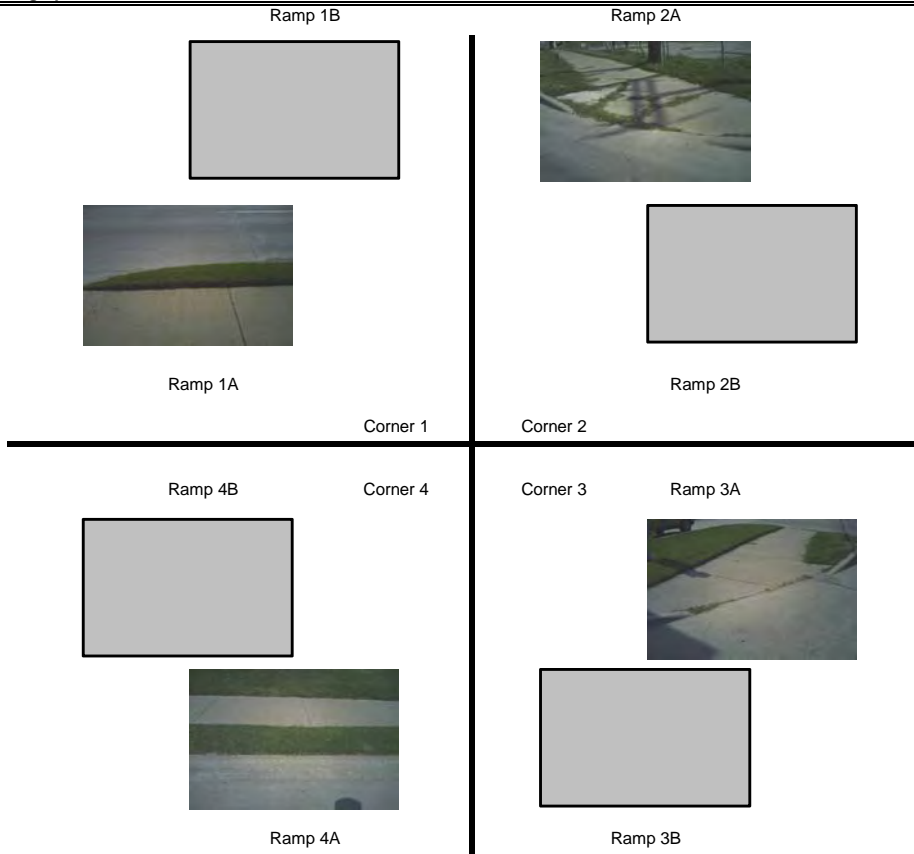
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 38th St

GPS ID: 39030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

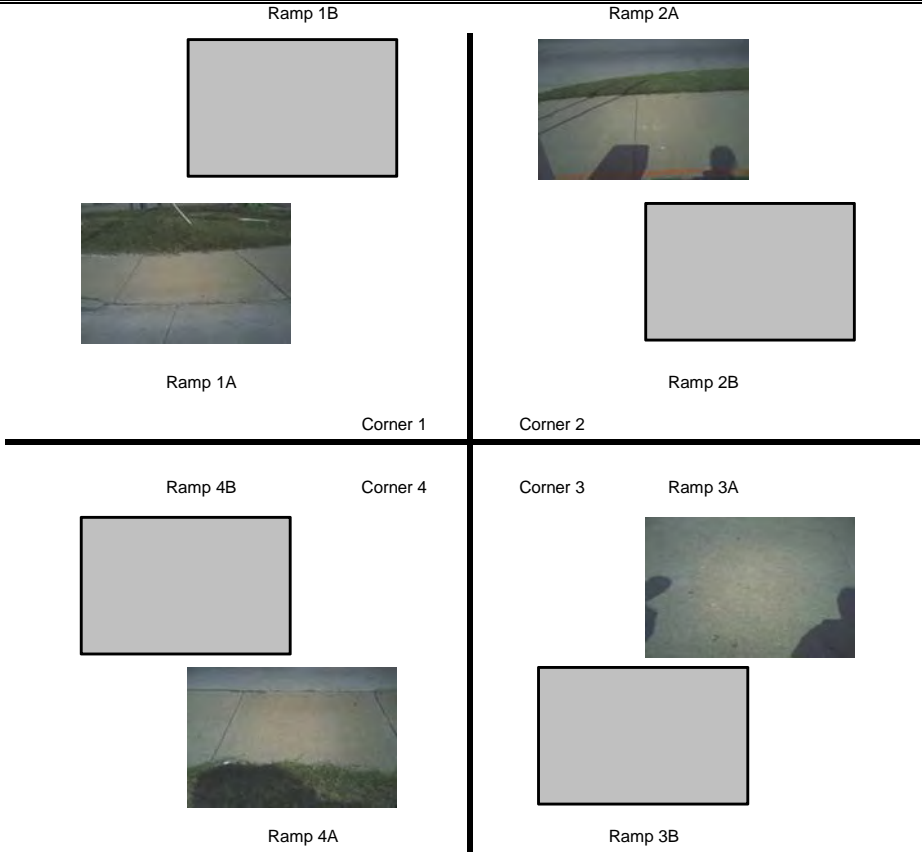
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp								X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 36th St

GPS ID: 39031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,061.40
Engineering: (% +/-)	15%	\$ 1,259.40
Contingency: (% +/-)	20%	\$ 1,679.20
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

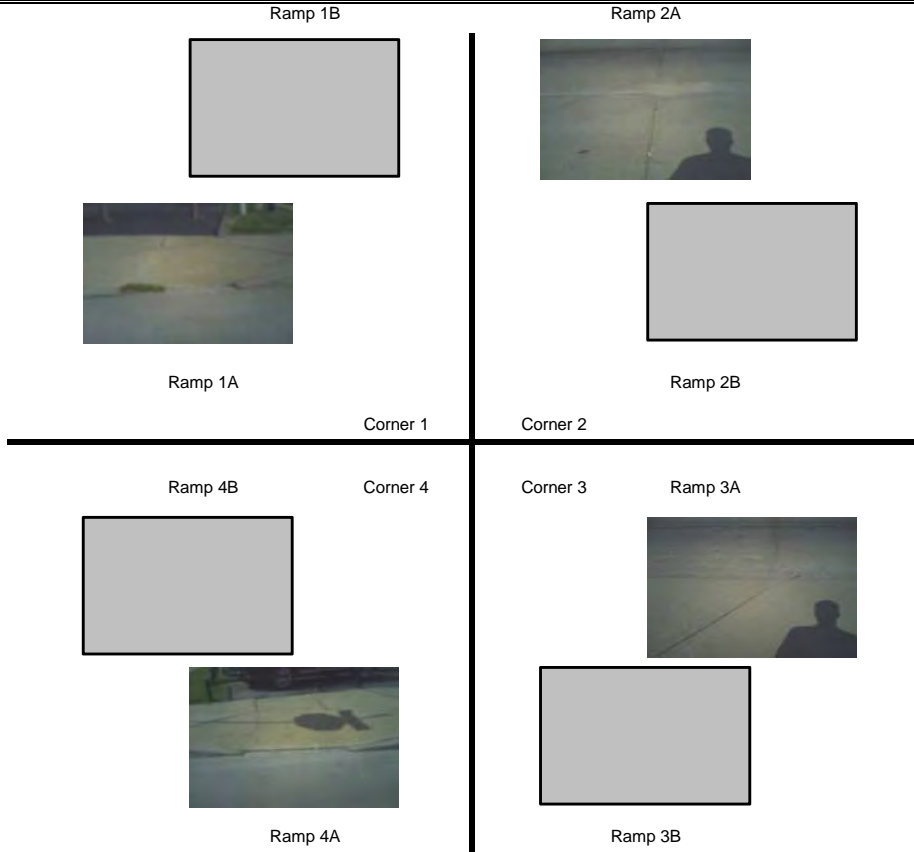
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 32nd St

GPS ID: 39032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

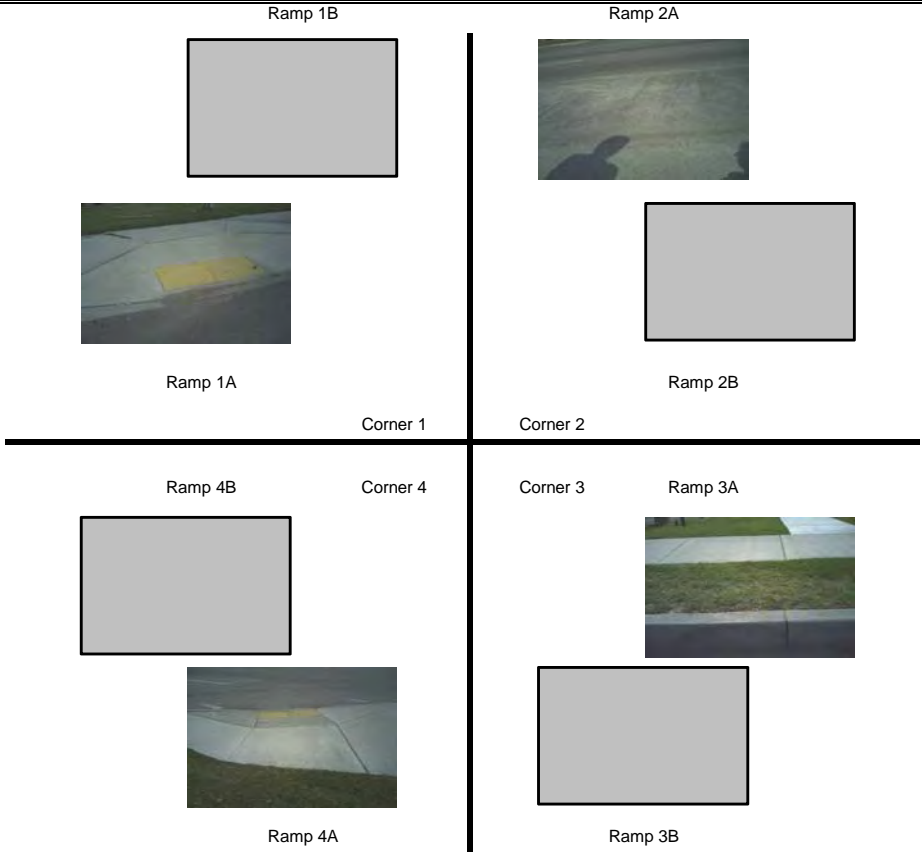
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 30th St

GPS ID: 39033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,323.20
Engineering: (% +/-)	15%	\$ 1,147.20
Contingency: (% +/-)	20%	\$ 1,529.60
Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							L	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 28th St and S Sheridan Rd (west)

GPS ID: 39034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

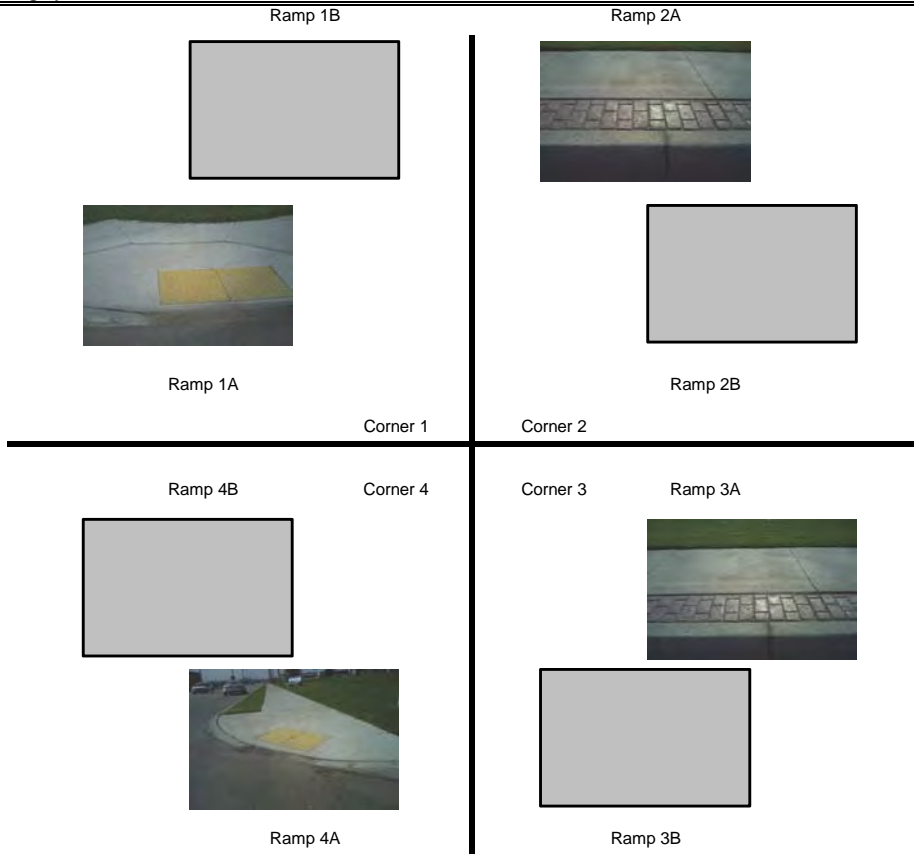
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 28th St and S Sheridan Rd (east)

GPS ID: 39035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		M				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 27th St and S Sheridan Rd

GPS ID: 39037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

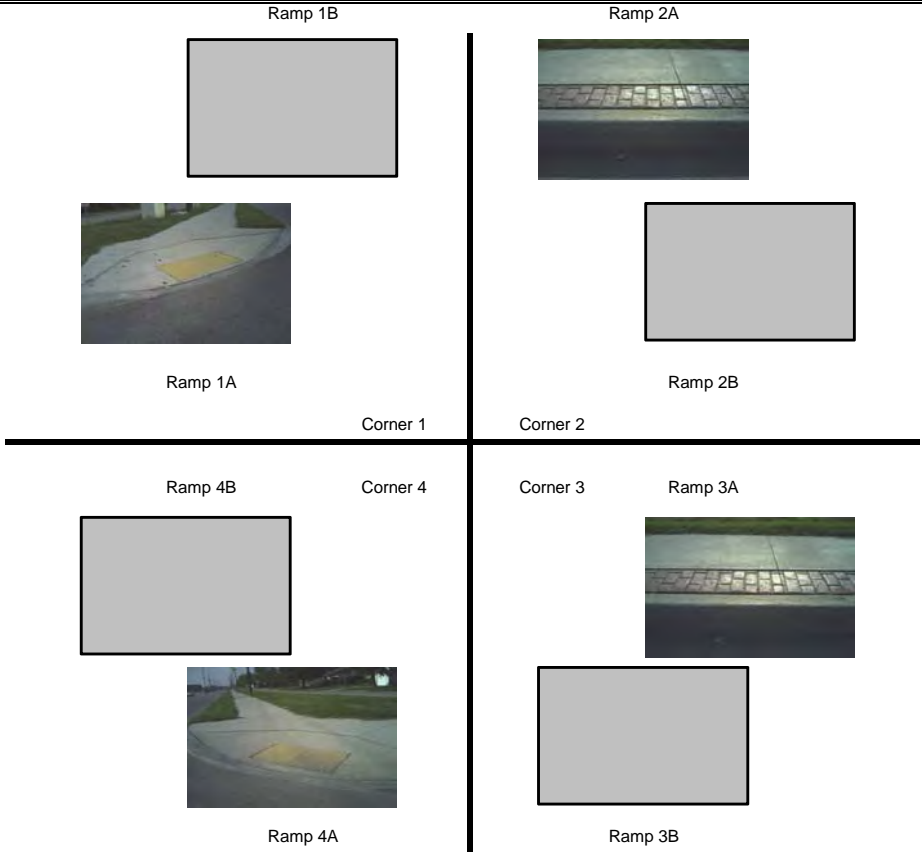
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp									Install landing area
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 26th Ct

GPS ID: 39039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,709.00
Engineering: (% +/-)	15%	\$ 1,839.00
Contingency: (% +/-)	20%	\$ 2,452.00
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

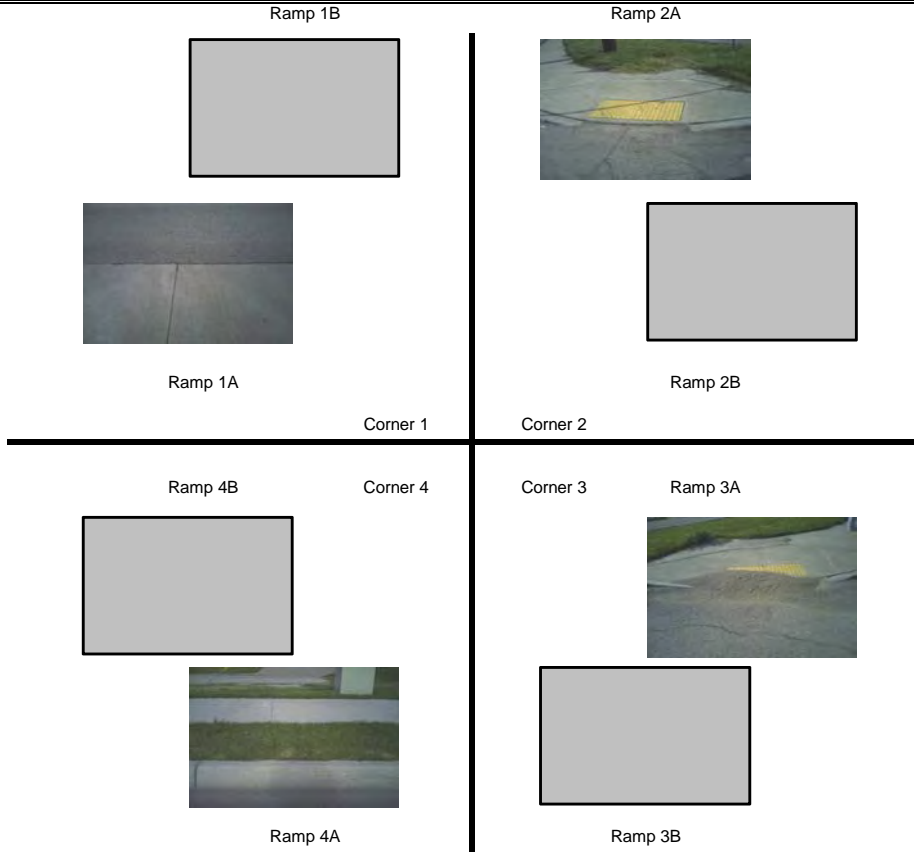
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	-	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X							X	Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		L		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 25th Pl and S Sheridan Rd

GPS ID: 39040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 25th Pl (east)

GPS ID: 39041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 24th Pl (west)

GPS ID: 39042

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

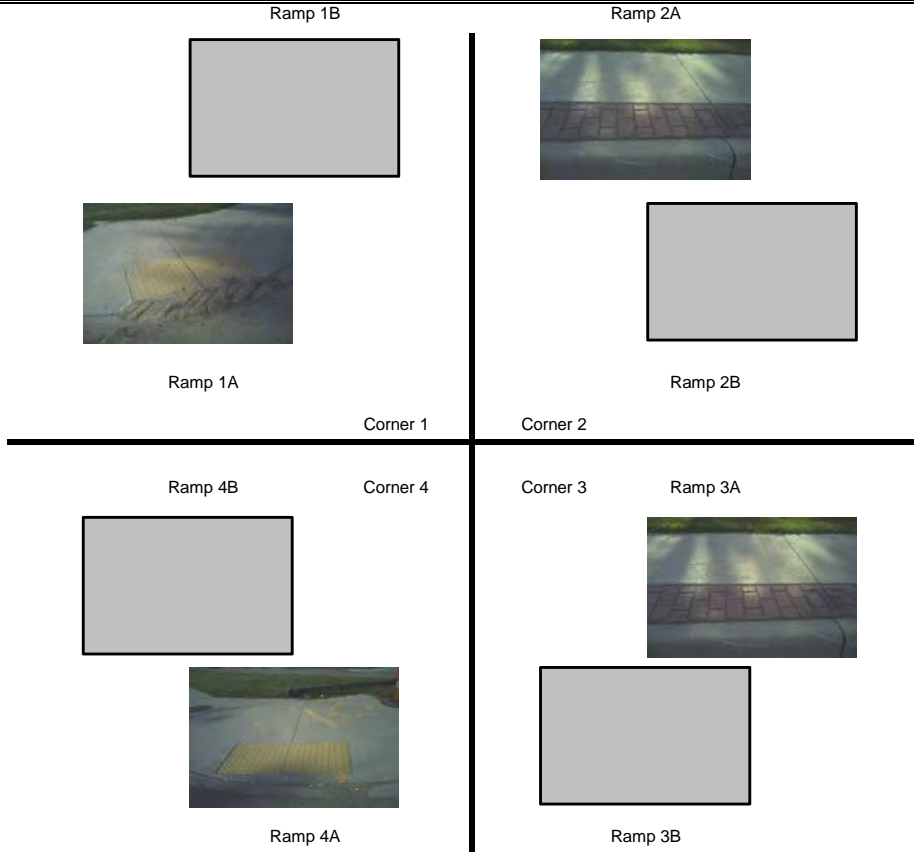
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 24th St

GPS ID: 39043

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 23rd St

GPS ID: 39044

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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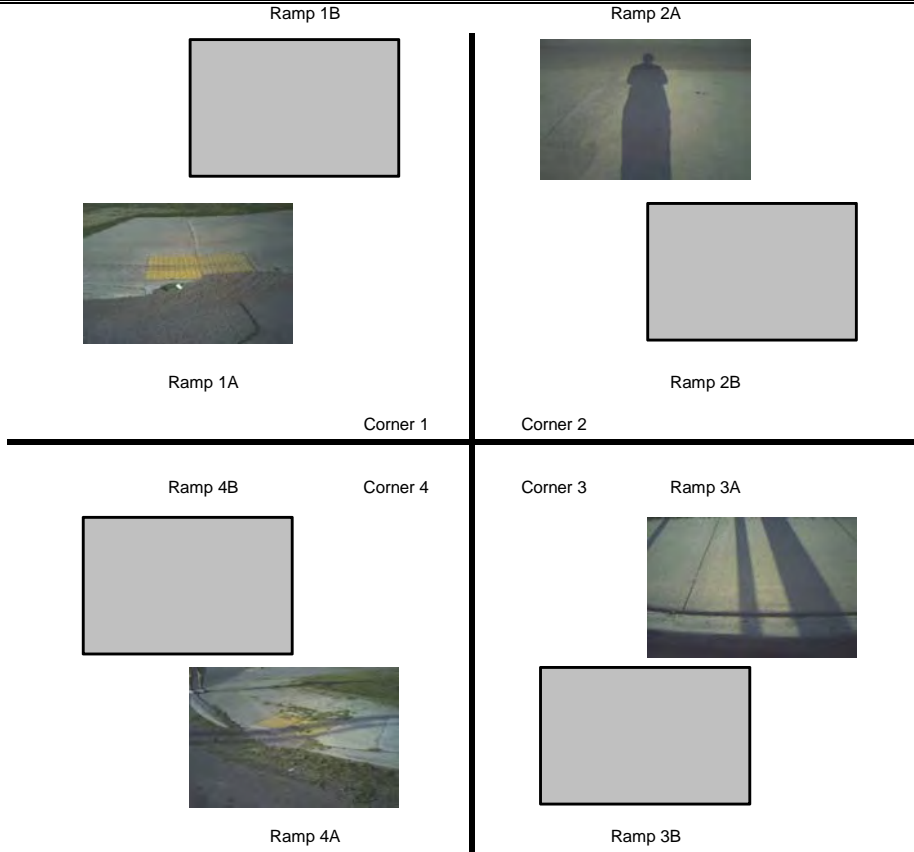
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 21st Pl

GPS ID: 39045

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,451.40
Engineering: (% +/-)	15%	\$ 1,949.40
Contingency: (% +/-)	20%	\$ 2,599.20
Estimated Project Cost:	\$	16,000.00

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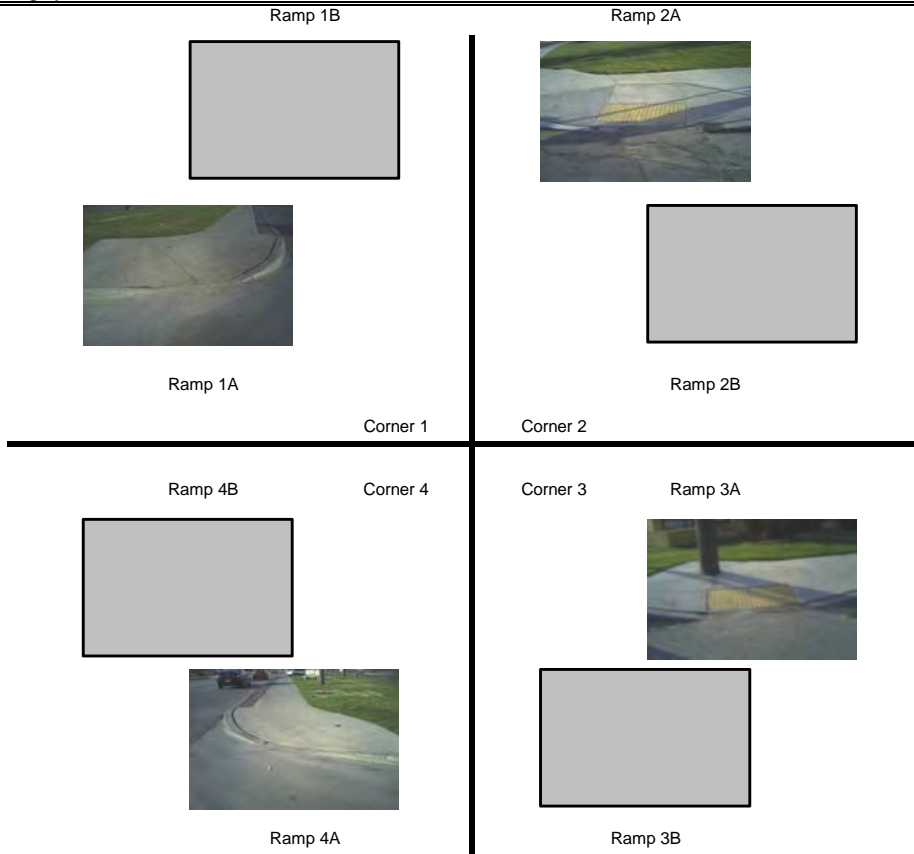
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 19th St

GPS ID: 39046

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

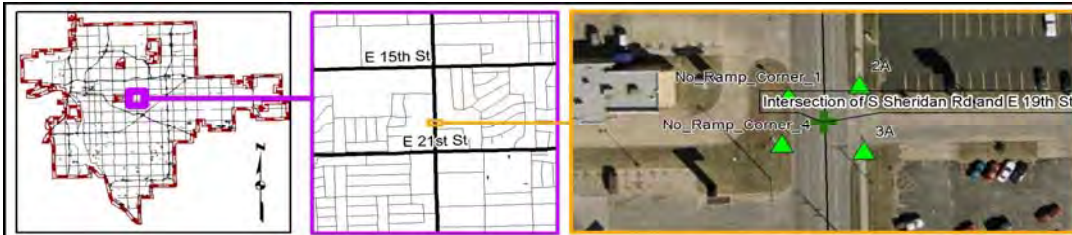
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

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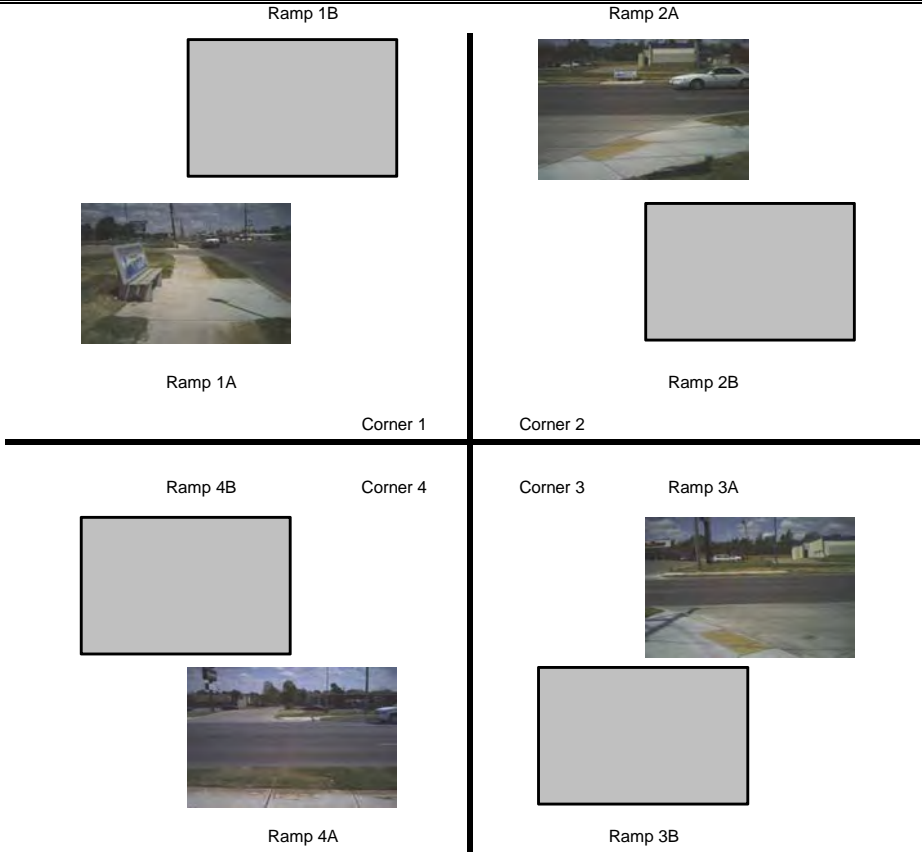
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 17th St

GPS ID: 39047

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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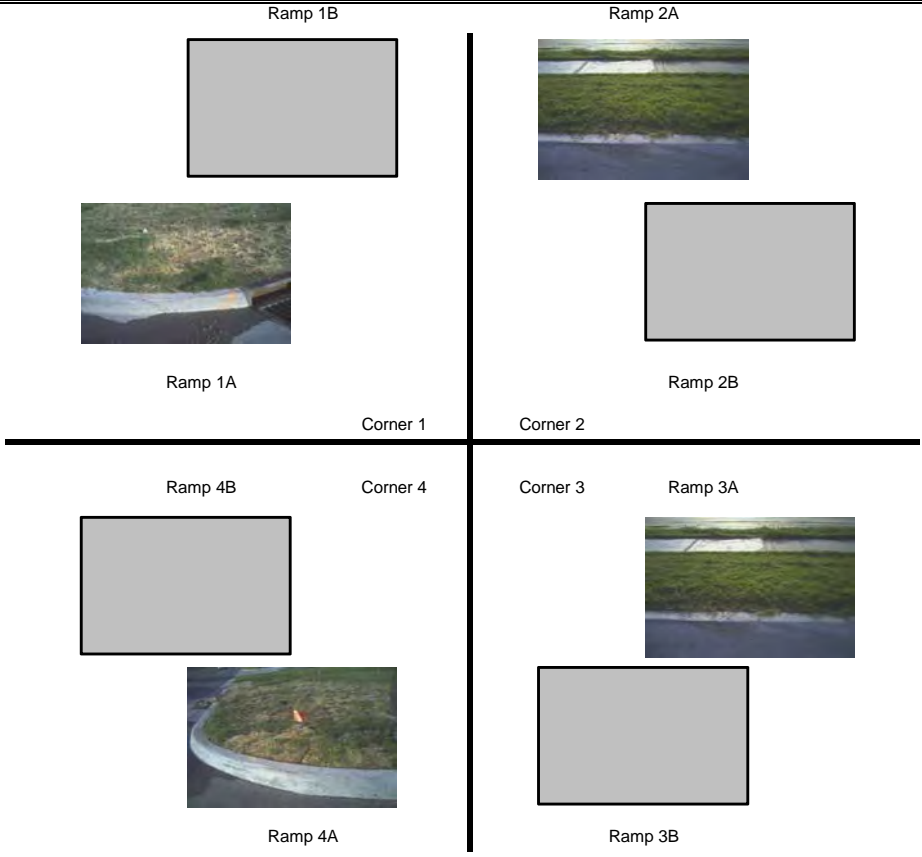
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 14th St

GPS ID: 39048

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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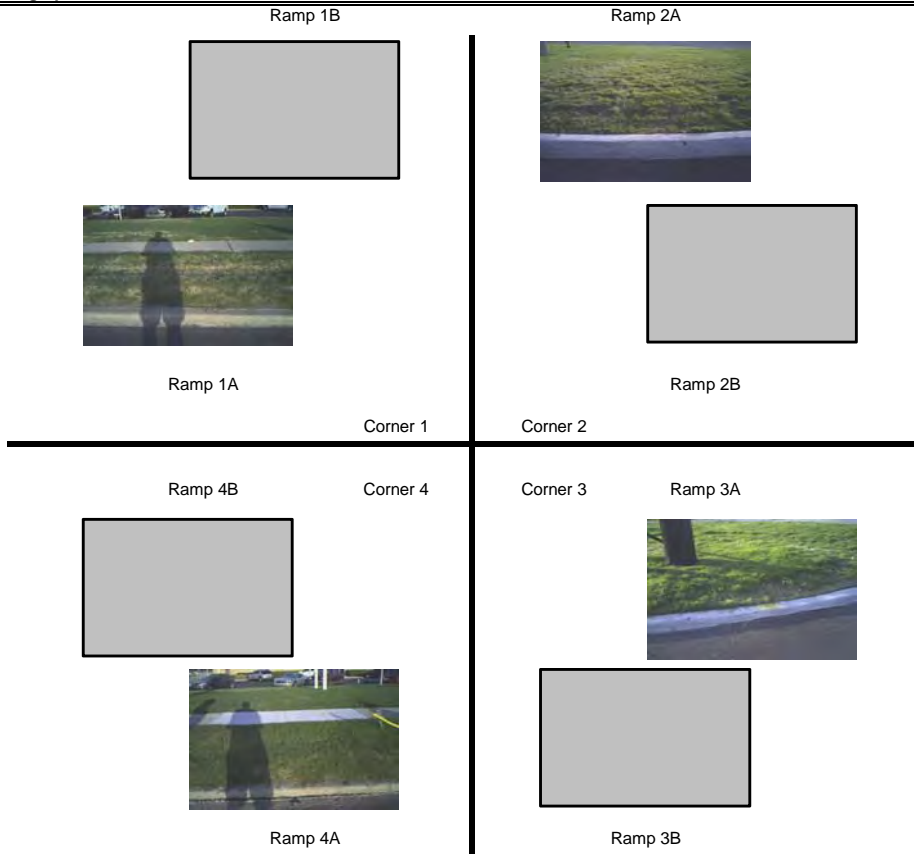
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 13th St

GPS ID: 39049

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,873.60
Engineering: (% +/-)	15%	\$ 1,339.89
Contingency: (% +/-)	20%	\$ 1,786.51
Estimated Project Cost:	\$	11,000.00

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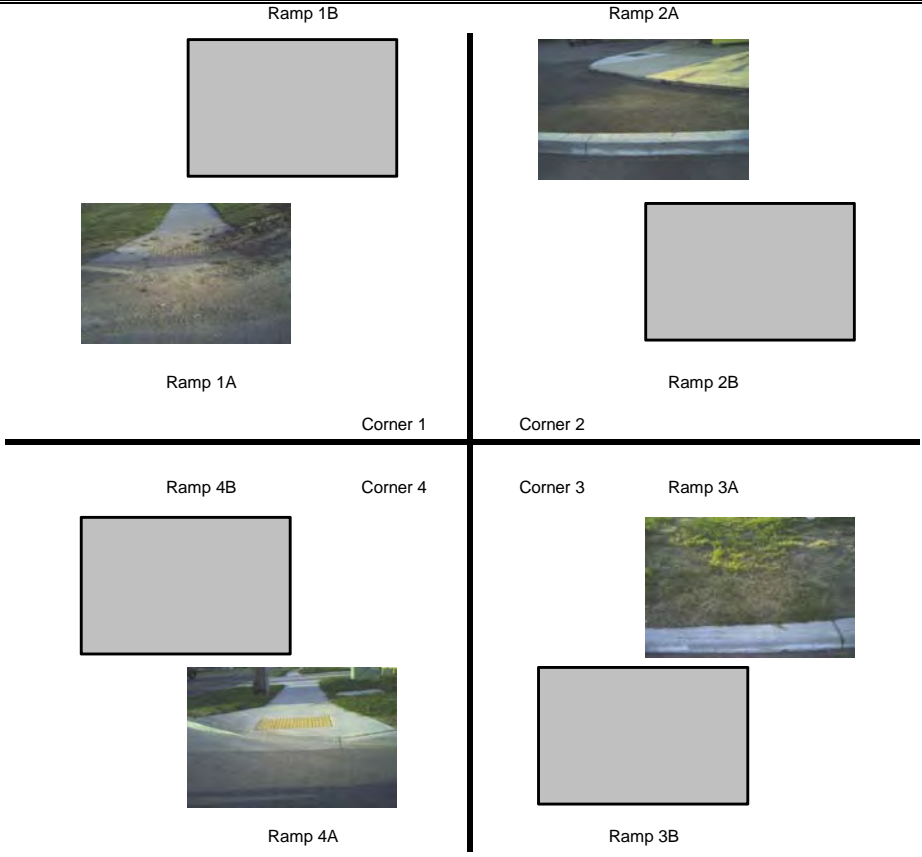
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H			C	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 12th St and S Sheridan Rd

GPS ID: 39050

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,424.00
Engineering: (% +/-)	15%	\$ 1,961.14
Contingency: (% +/-)	20%	\$ 2,614.86
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X							X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 10th St

GPS ID: 39051

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,931.40
Engineering: (% +/-)	15%	\$ 1,743.69
Contingency: (% +/-)	20%	\$ 2,324.91
Estimated Project Cost:	\$	15,000.00

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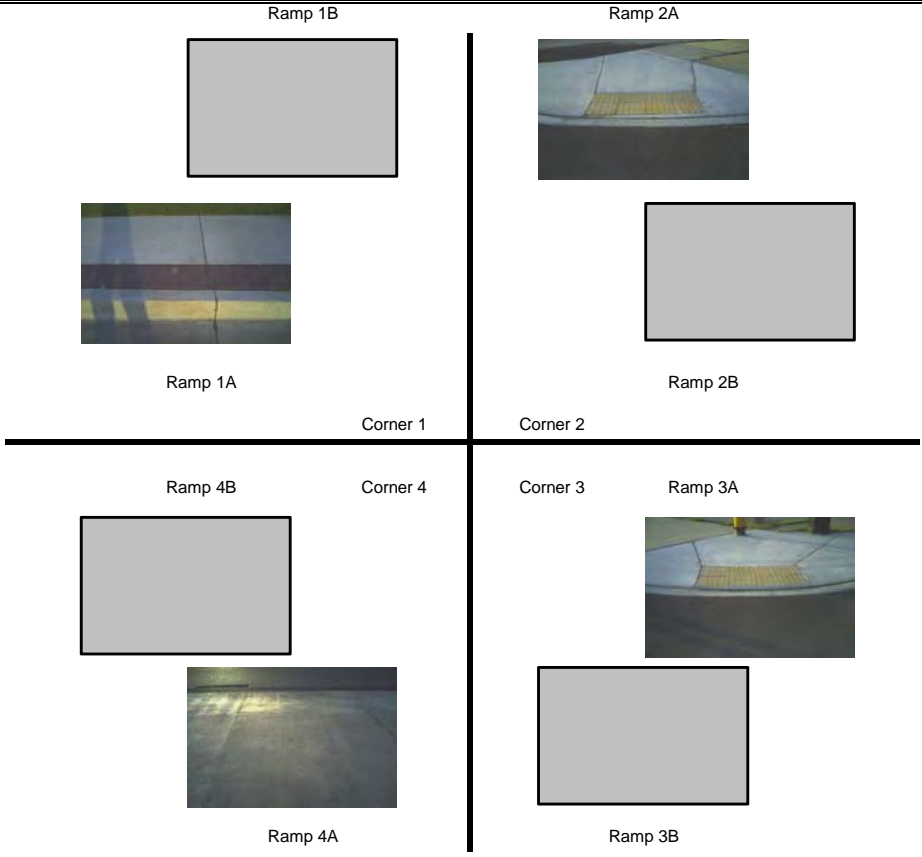
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 9th St and S Sheridan Rd

GPS ID: 39052

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	50.02	SY	\$ 10.00	\$ 500.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,758.40
Engineering: (% +/-)	15%	\$ 2,246.40
Contingency: (% +/-)	20%	\$ 2,995.20
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

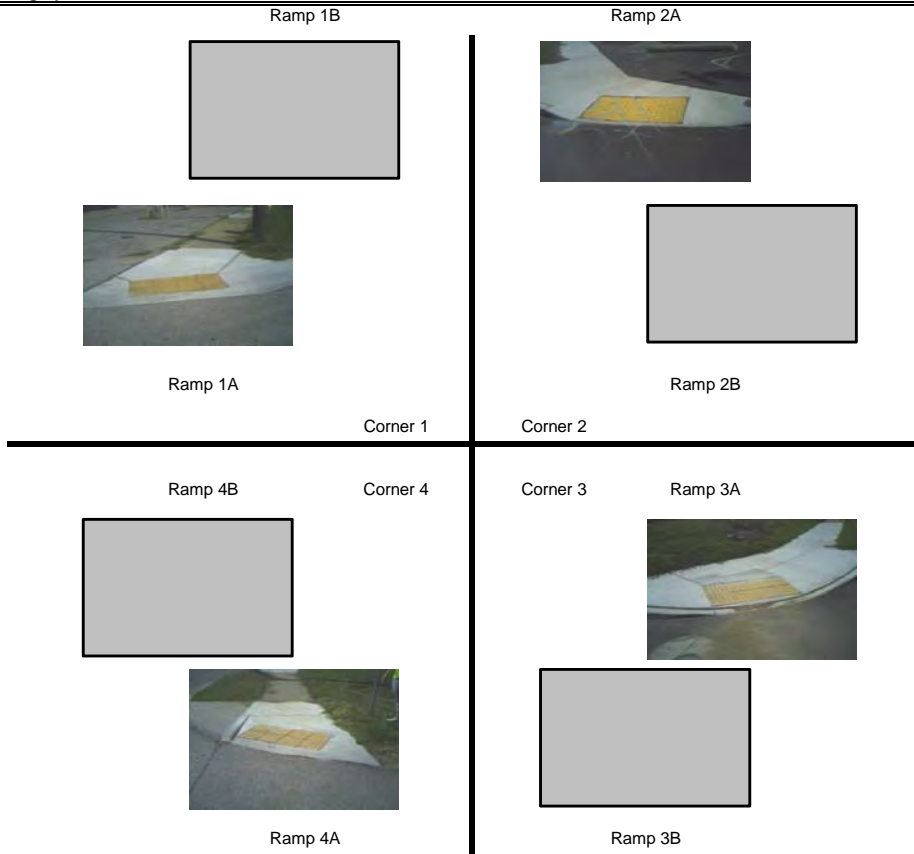
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H	H			M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 8th St

GPS ID: 39053

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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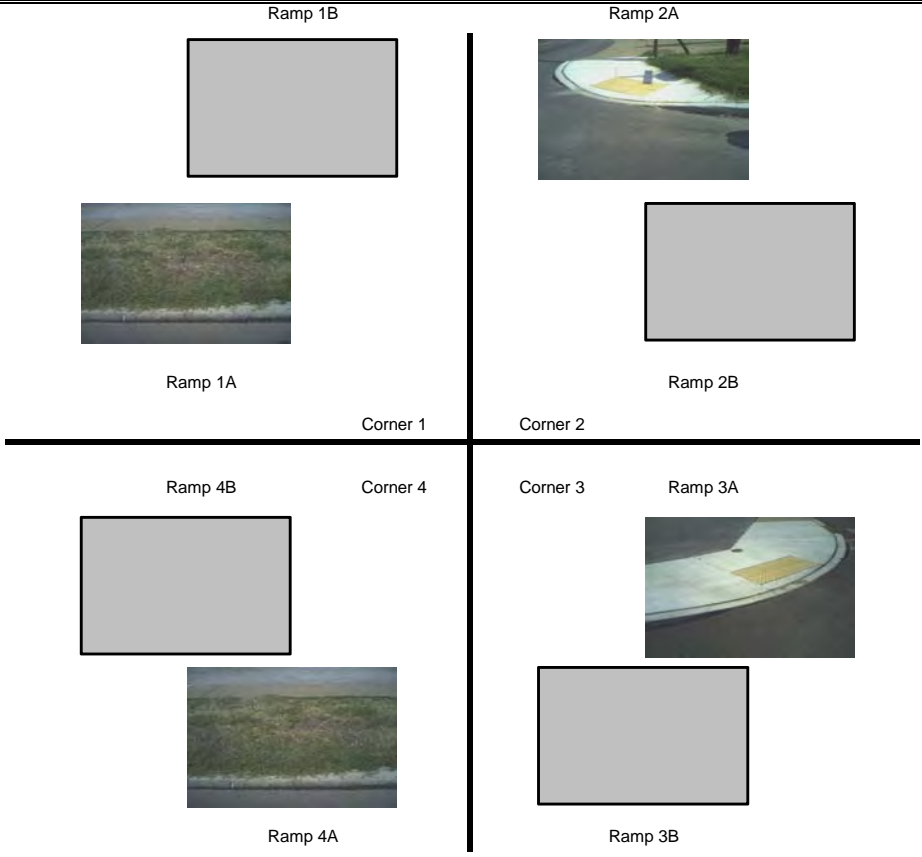
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 7th St (west)

GPS ID: 39054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	10,000.00

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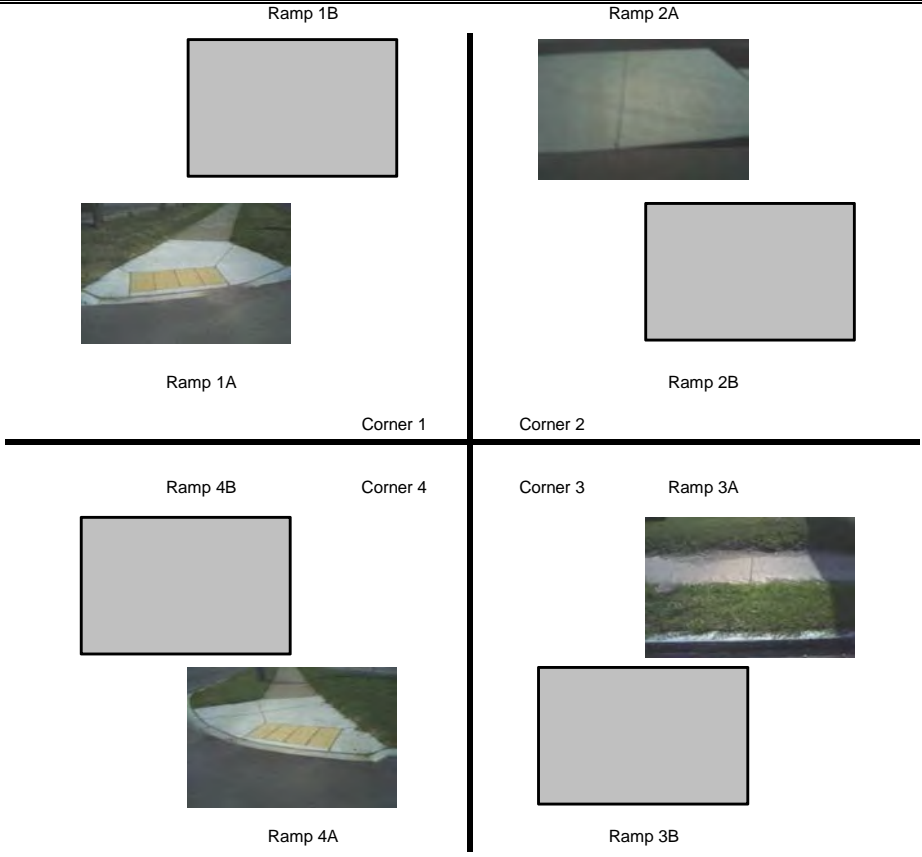
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 7th St (east)

GPS ID: 39055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

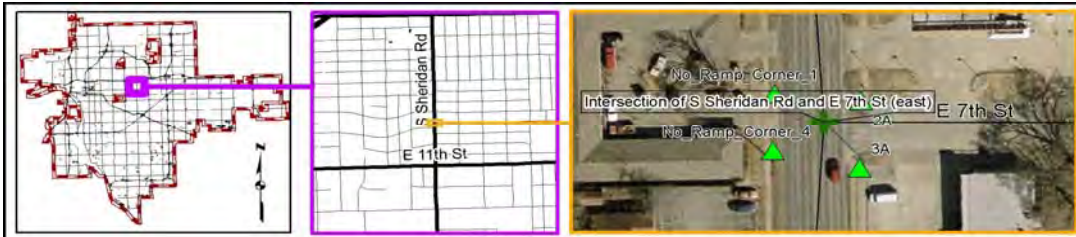
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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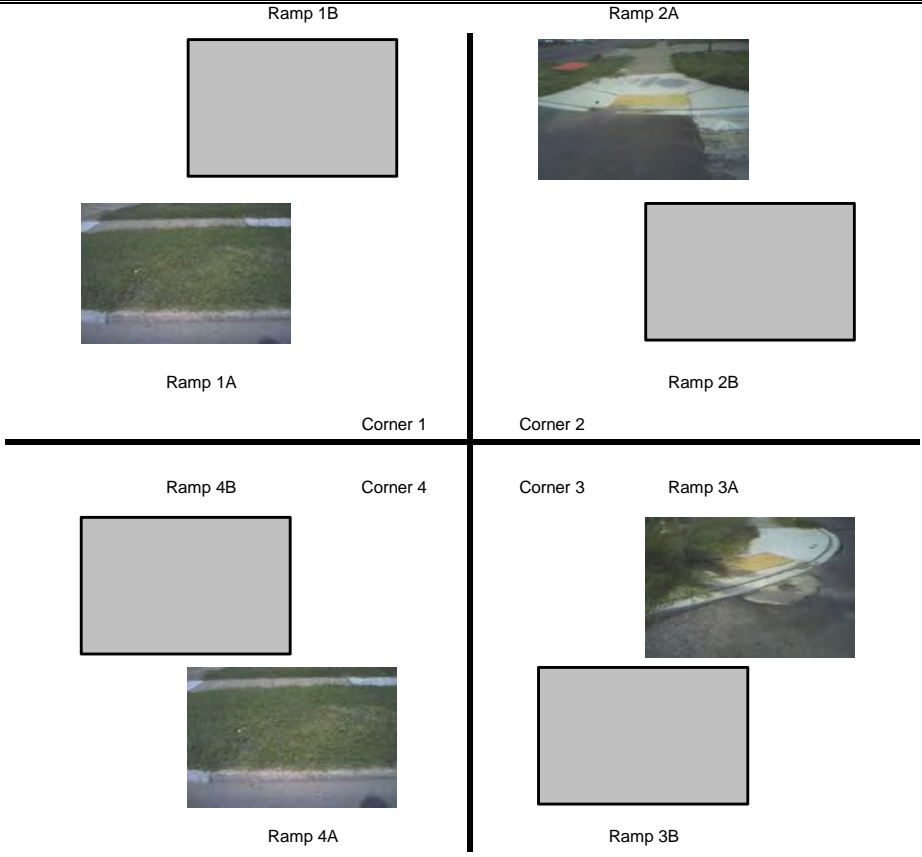
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			L		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 6th St/E 5th Pl

GPS ID: 39056

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,537.80
Engineering: (% +/-)	15%	\$ 2,340.94
Contingency: (% +/-)	20%	\$ 3,121.26
Estimated Project Cost:	\$	21,000.00

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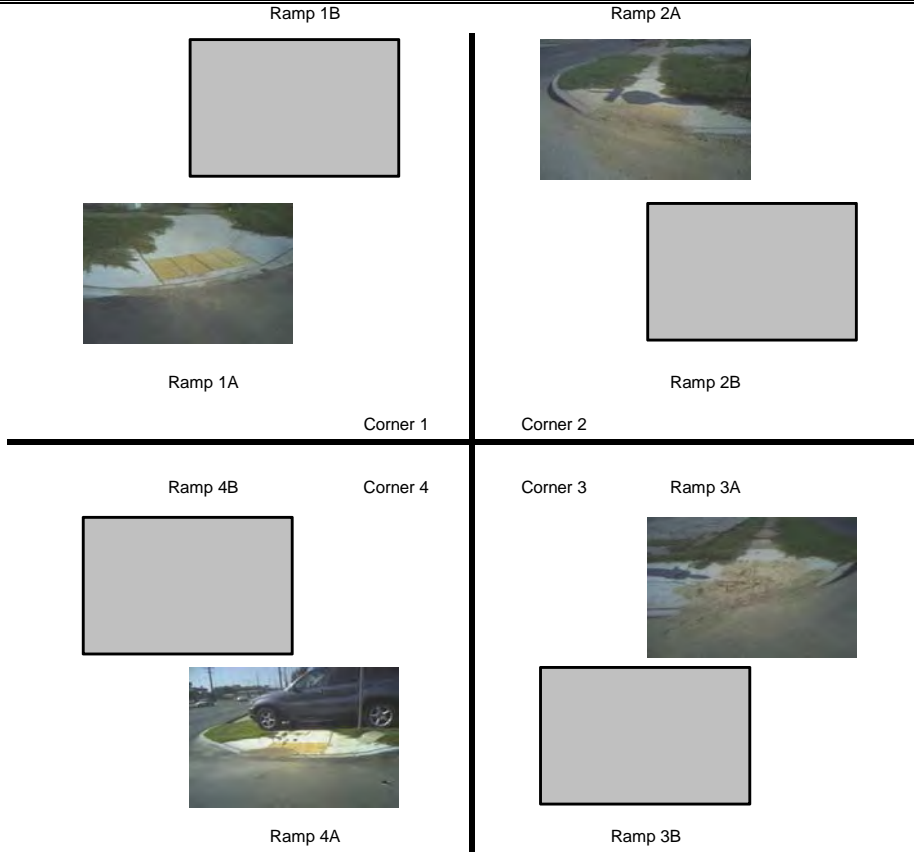
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	-	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 5th Pl

GPS ID: 39057A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

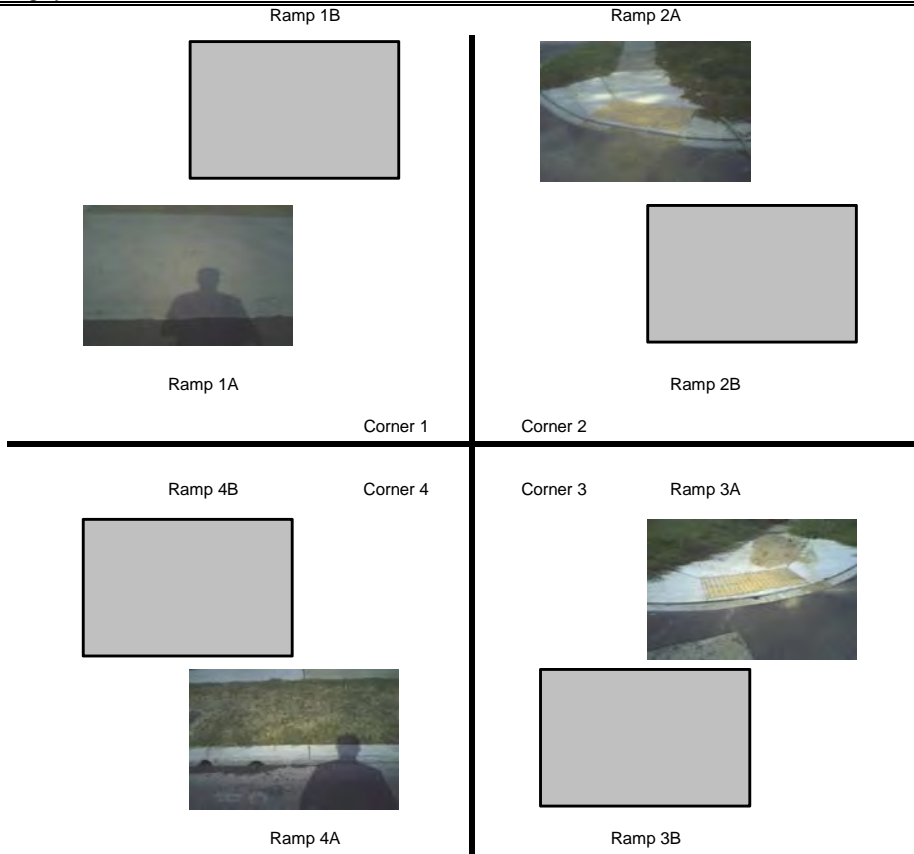
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 5th St (east)

GPS ID: 39058A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	30	LF	\$ 6.50	\$ 195.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,249.20
Engineering: (% +/-)	15%	\$ 1,607.49
Contingency: (% +/-)	20%	\$ 2,143.31
Estimated Project Cost:	\$	13,000.00

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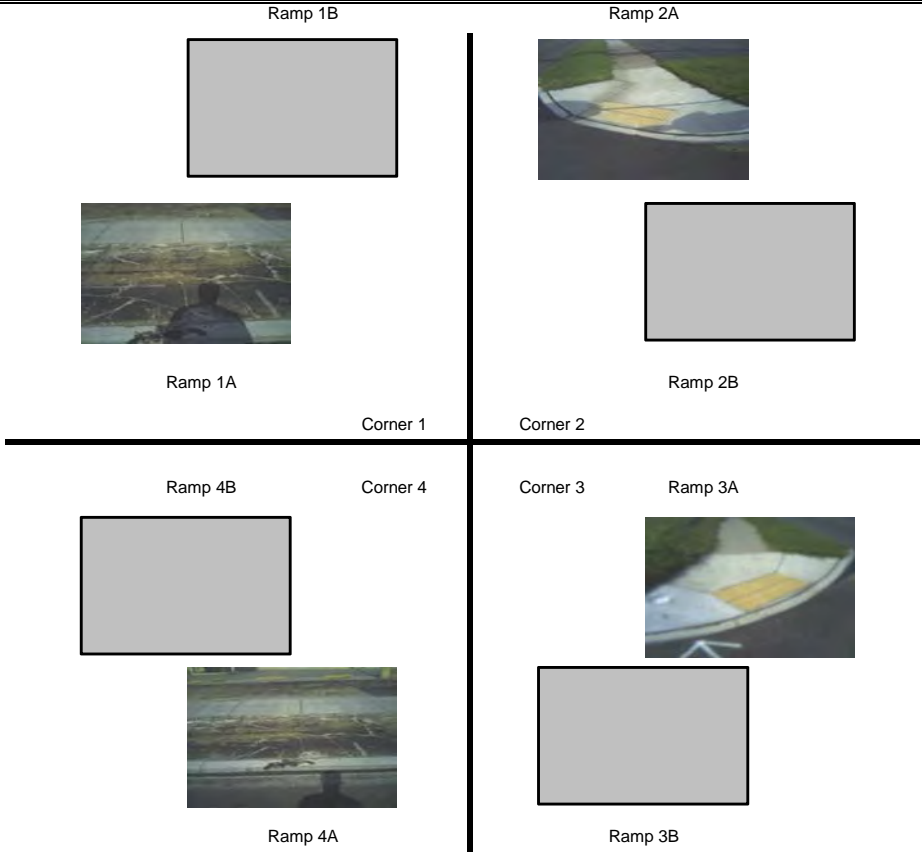
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 5th St (west)

GPS ID: 39058

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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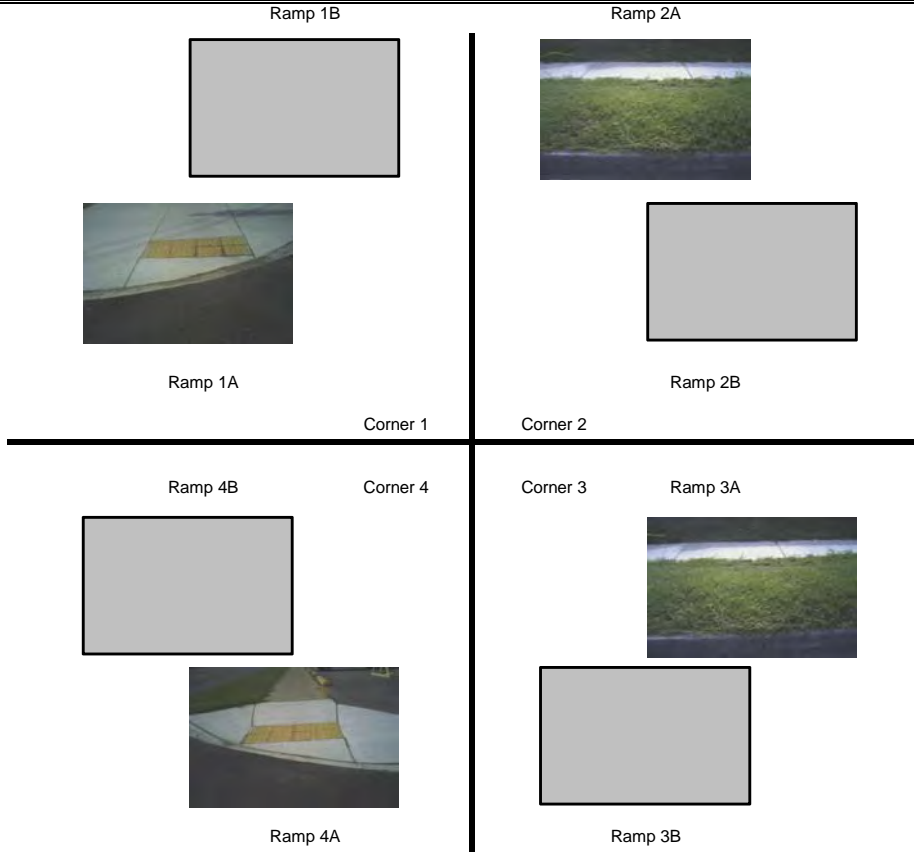
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 4th Ter and S Sheridan Rd

GPS ID: 39059

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,866.40
Engineering: (% +/-)	15%	\$ 1,342.97
Contingency: (% +/-)	20%	\$ 1,790.63
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 4th St (west)

GPS ID: 39060

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

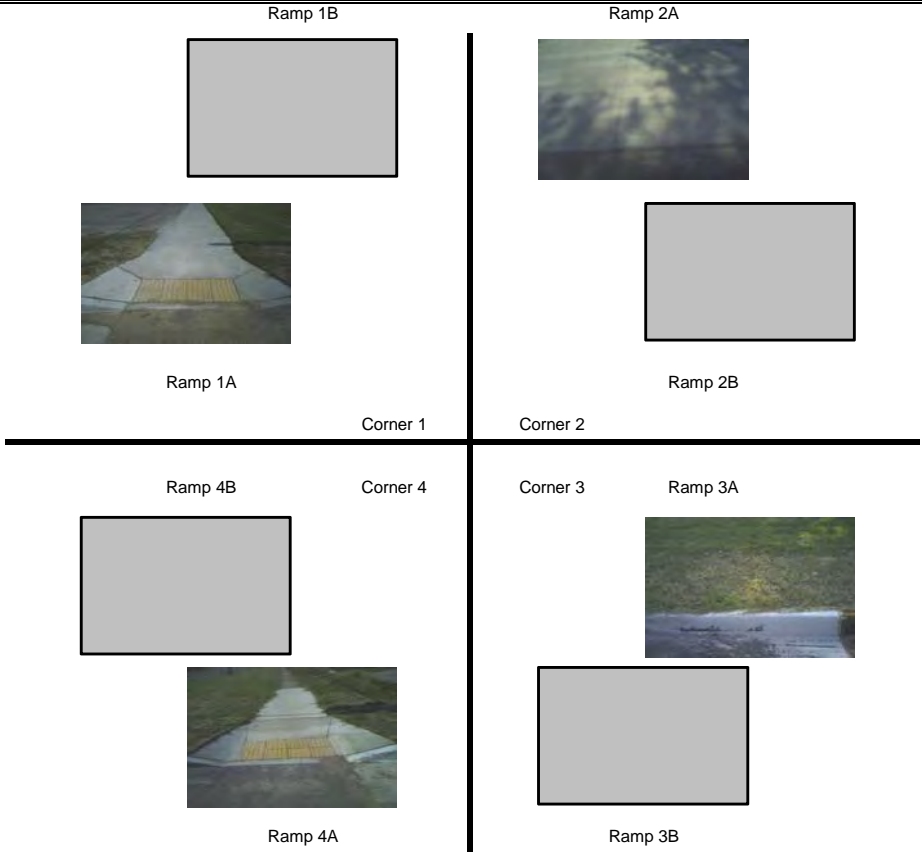
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	-	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 4th St (east)

GPS ID: 39061

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 3rd St and S Sheridan Rd

GPS ID: 39062

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

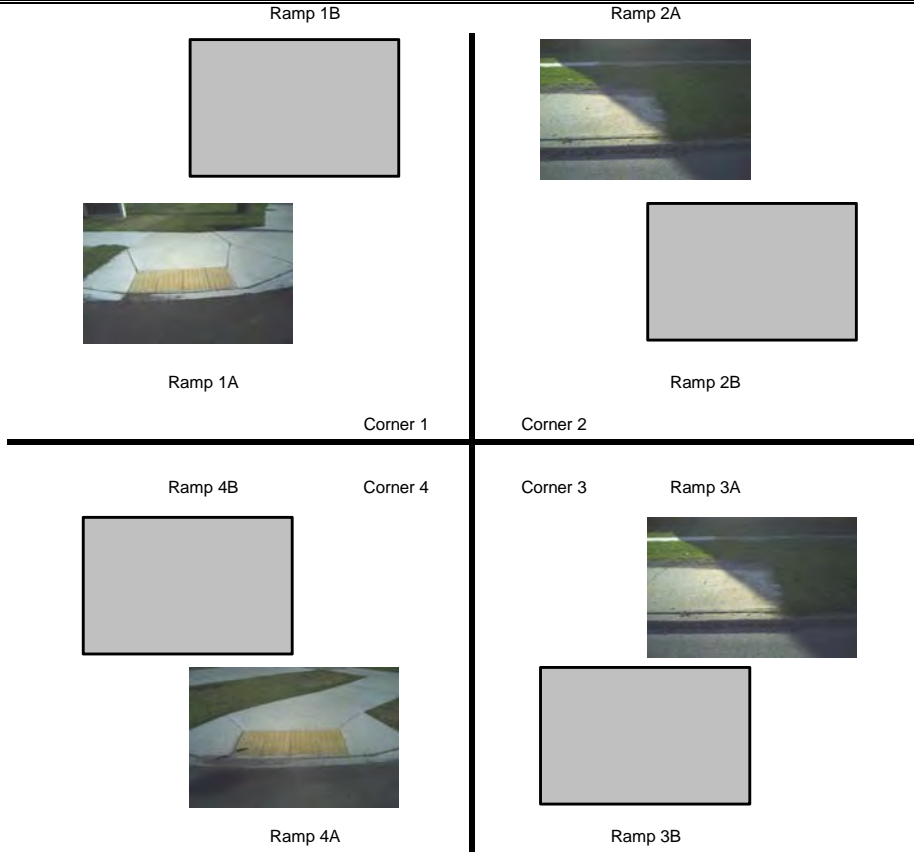
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Sheridan Rd and E 2nd St

GPS ID: 39063

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

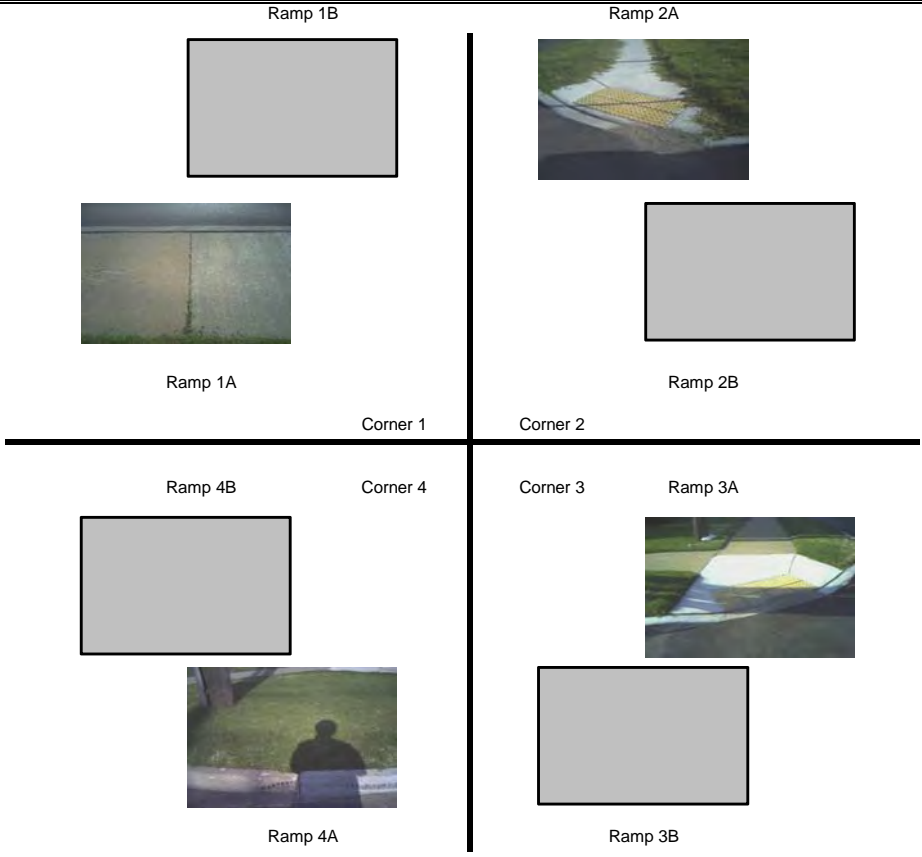
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Install landing area
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:			H		L				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Admiral Blvd and S Sheridan Rd

GPS ID: 39064

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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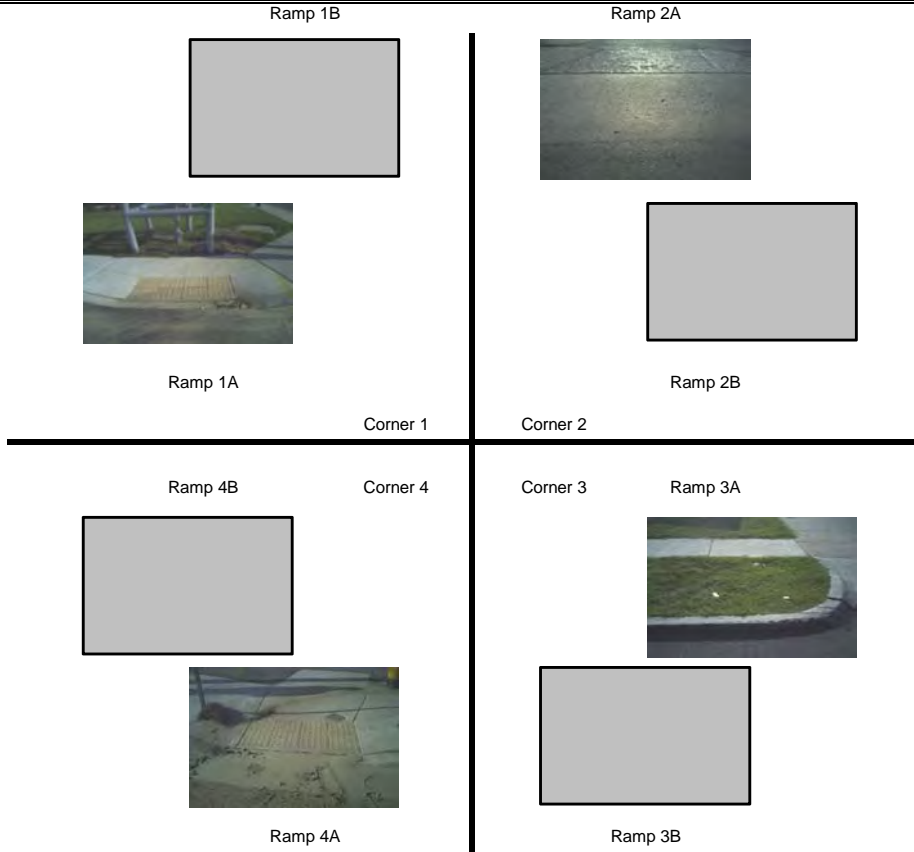
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	-	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Easton St

GPS ID: 39065A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,057.80
Engineering: (% +/-)	15%	\$ 2,975.23
Contingency: (% +/-)	20%	\$ 3,966.97
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Archer St GPS ID: 39065

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,205.20
Engineering: (% +/-)	15%	\$ 3,340.63
Contingency: (% +/-)	20%	\$ 4,454.17
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Haskell PI

GPS ID: 39066

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

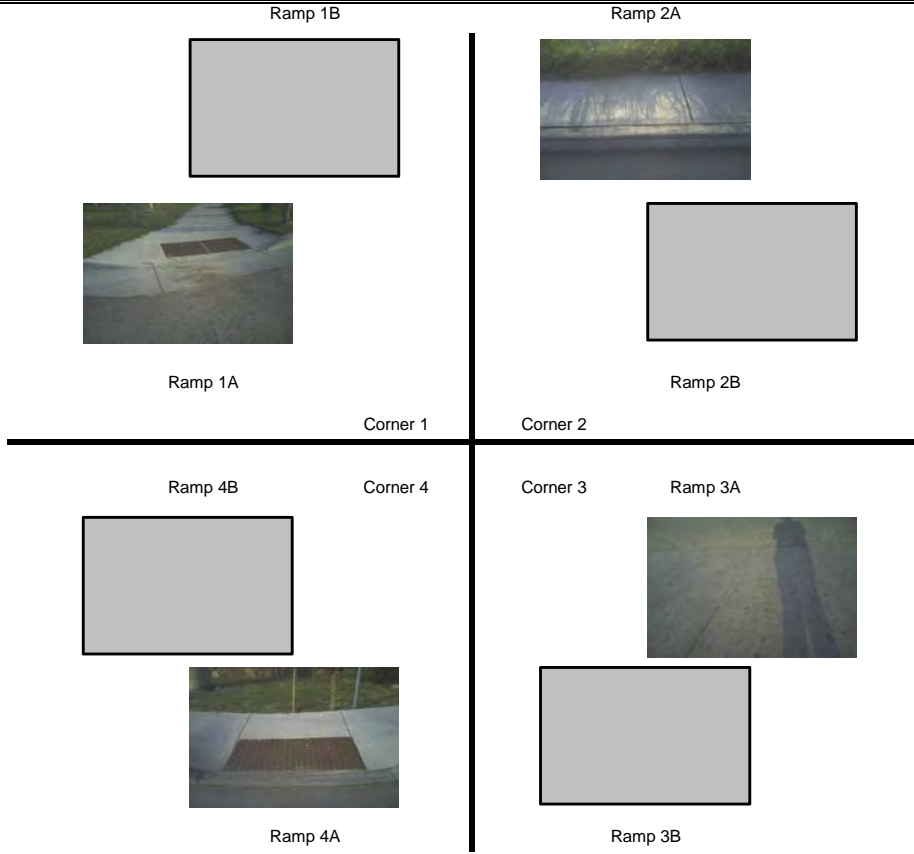
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Independence St (west)

GPS ID: 39067

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,574.20
Engineering: (% +/-)	15%	\$ 1,896.77
Contingency: (% +/-)	20%	\$ 2,529.03
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

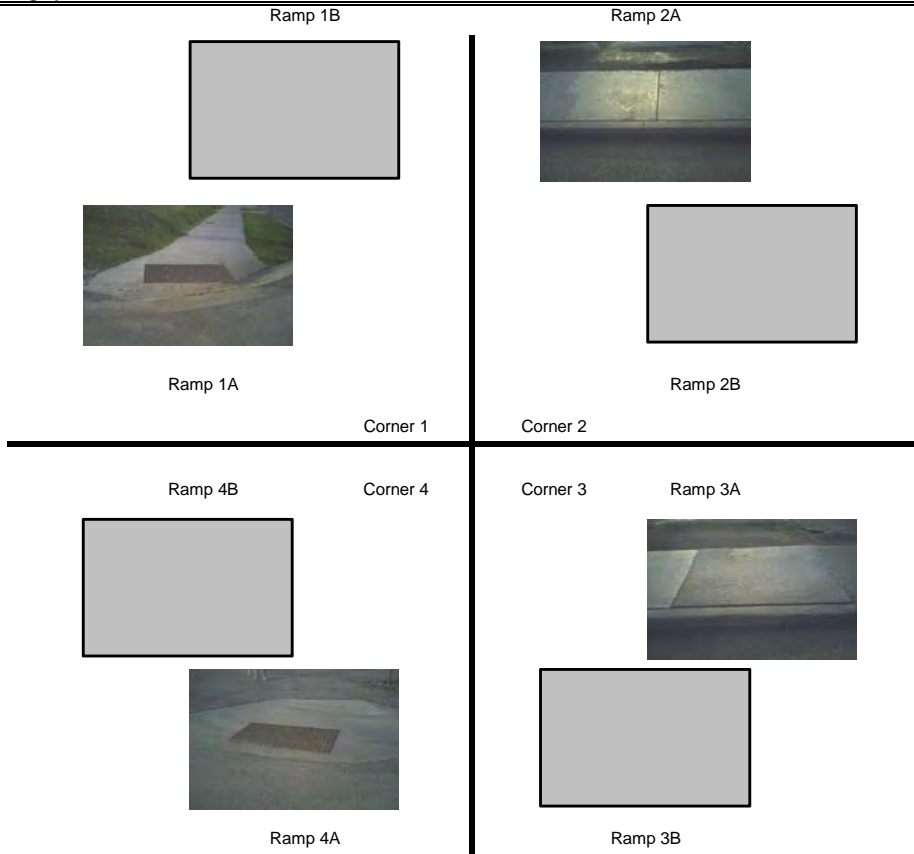
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Independence St (east)

GPS ID: 39067A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 40.00	\$ 278.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,827.00
Engineering: (% +/-)	15%	\$ 1,359.86
Contingency: (% +/-)	20%	\$ 1,813.14
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

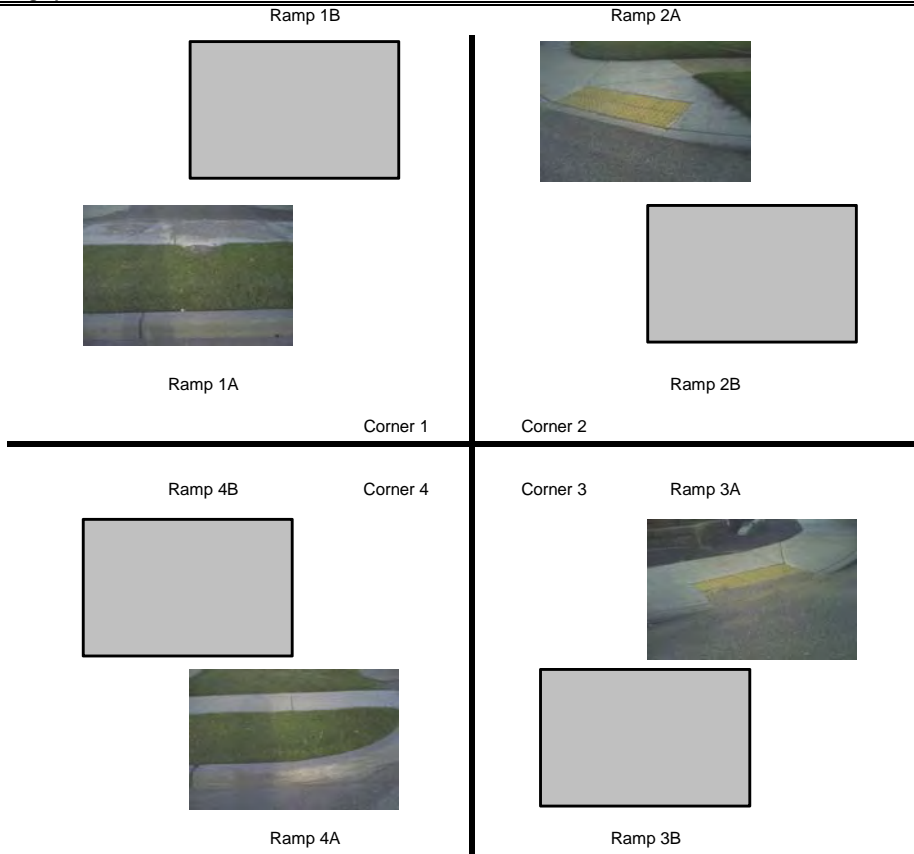
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E King St (west)

GPS ID: 39068

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

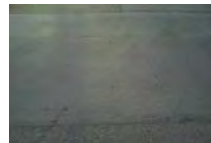
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E King Pl and N Sheridan Rd

GPS ID: 39069

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

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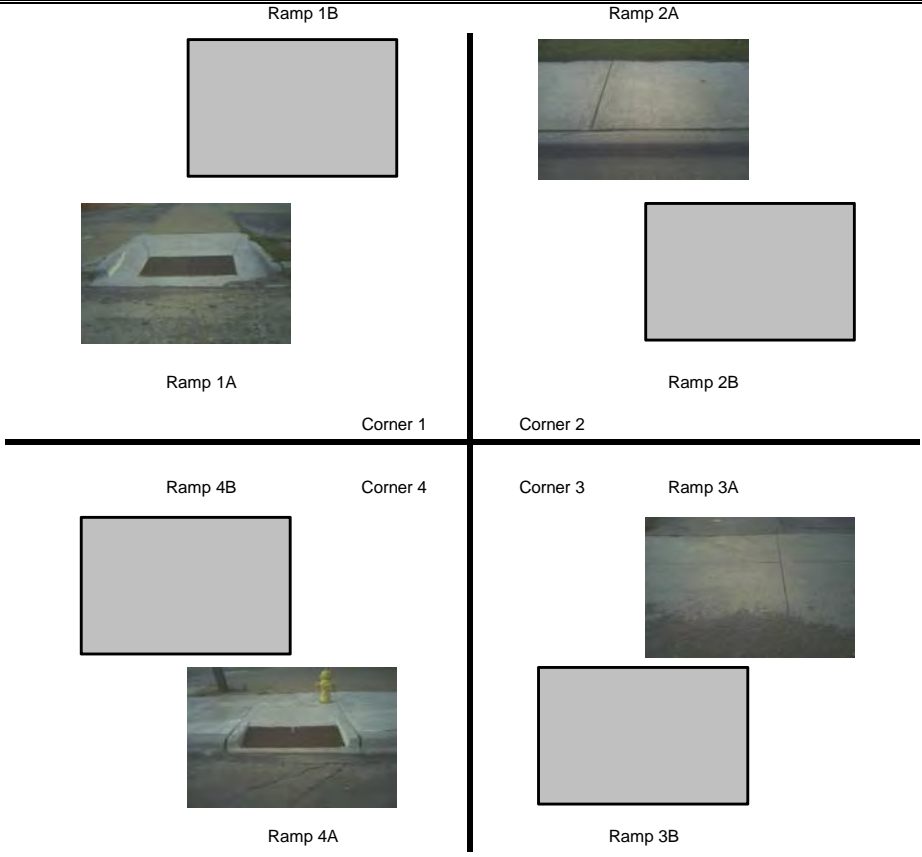
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp	X							X	
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Latimer St and N Sheridan Rd

GPS ID: 39070

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

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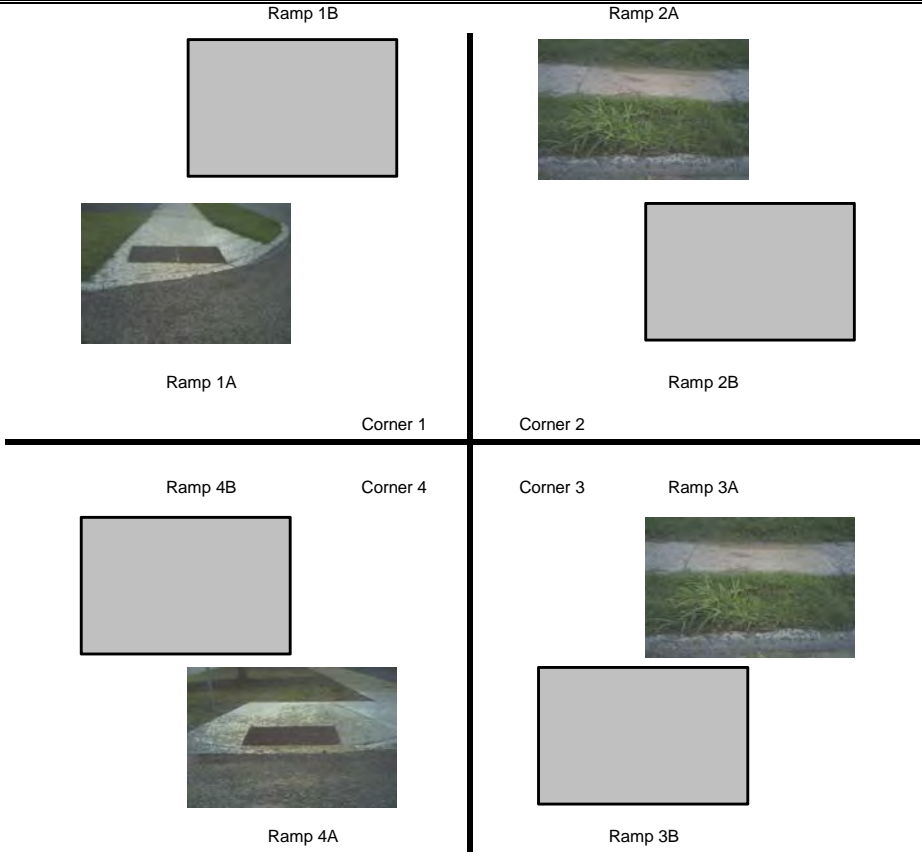
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Latimer Pl (west)

GPS ID: 39071

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 40.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,574.20
Engineering: (% +/-)	15%	\$ 1,468.20
Contingency: (% +/-)	20%	\$ 1,957.60
Estimated Project Cost:	\$	13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

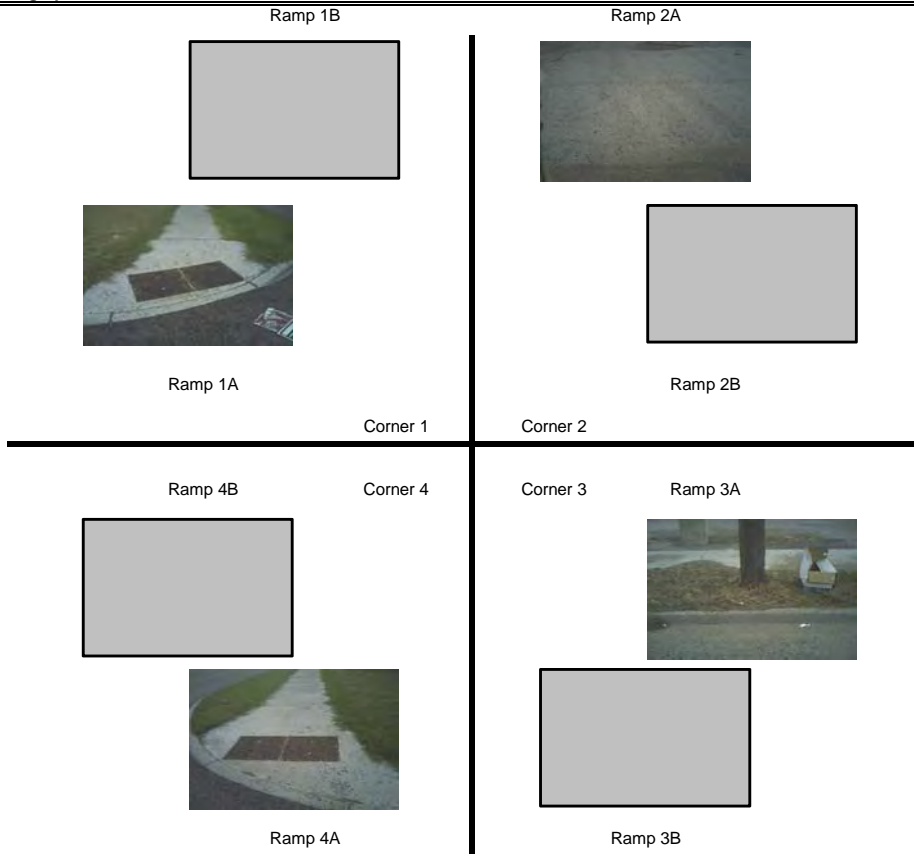
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Latimer Pl (east)

GPS ID: 39072

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	11,000.00

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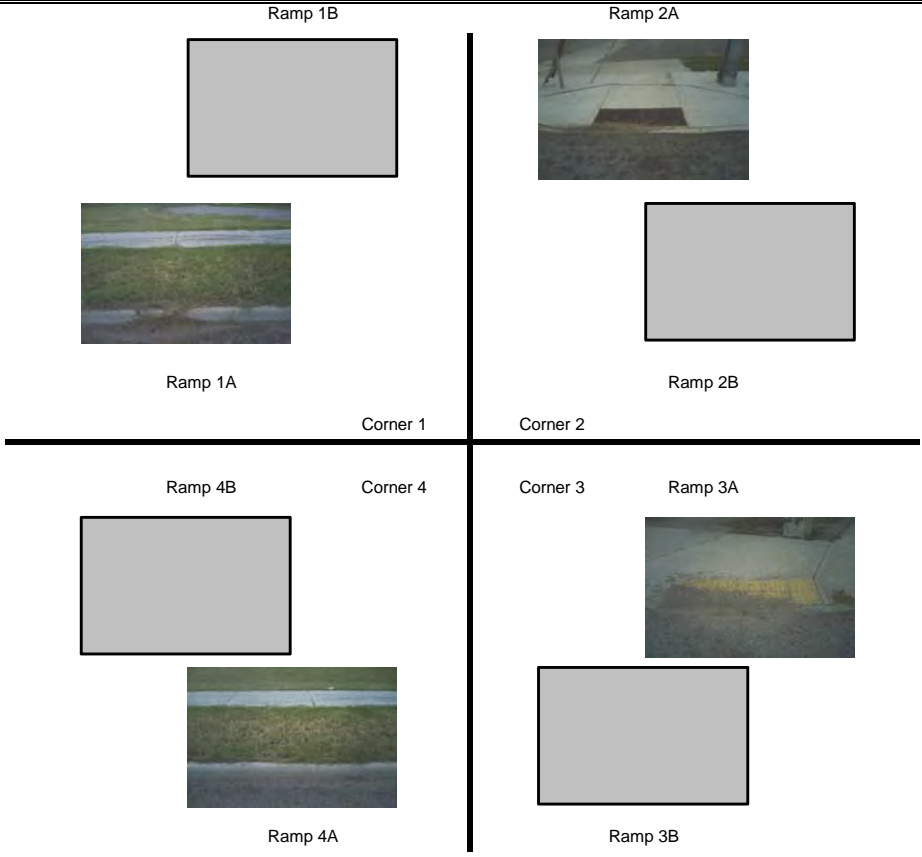
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M		M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Marshall St and N Sheridan Rd

GPS ID: 39073

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									Install landing area
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of E Marshall Pl and N Sheridan Rd GPS ID: 39074

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	8,323.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,575.77
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,101.03
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	12,000.00

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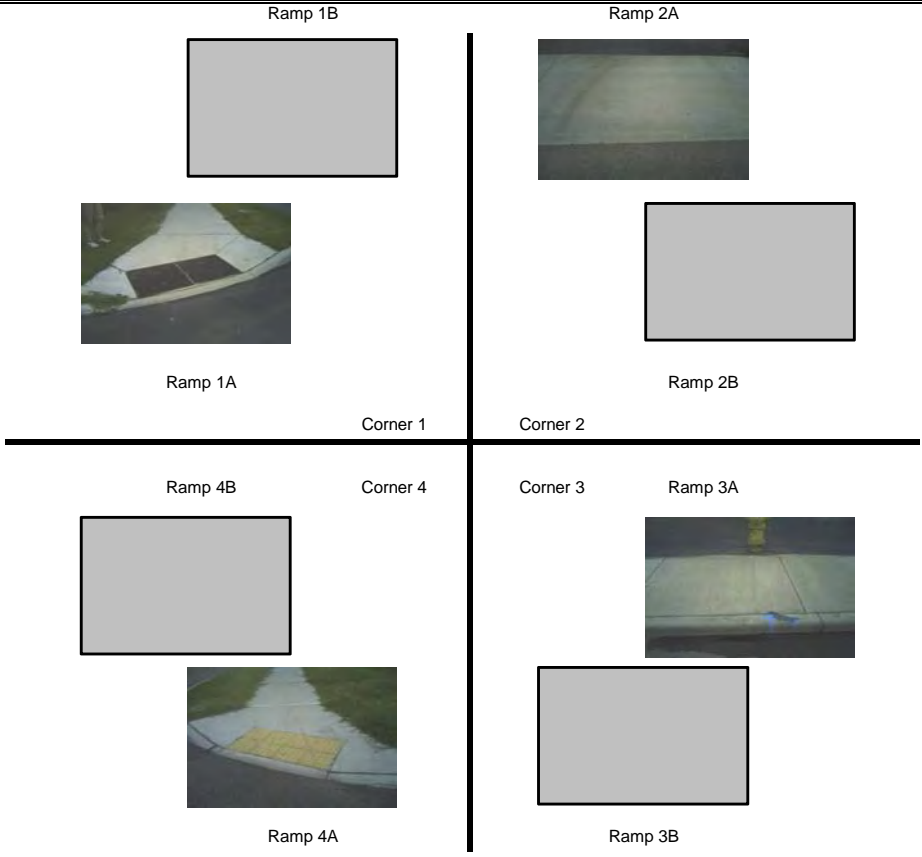
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	L		-	-				C	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Newton St

GPS ID: 39075

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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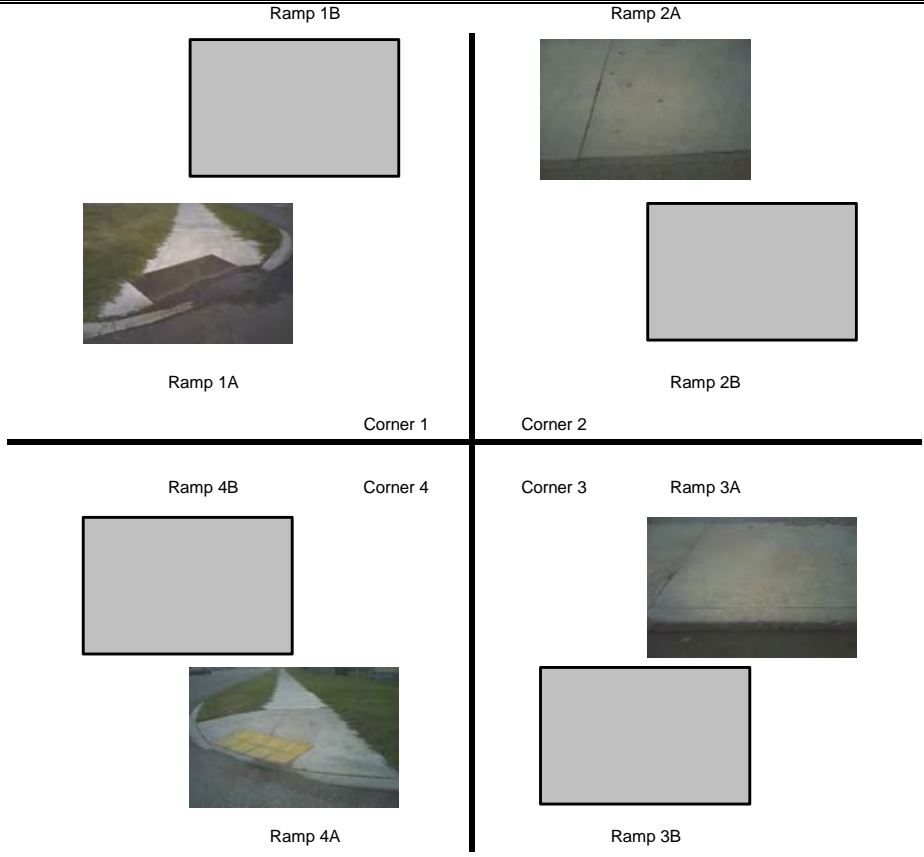
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Newton Pl (east)

GPS ID: 39076

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,379.20
Engineering: (% +/-)	15%	\$ 1,123.20
Contingency: (% +/-)	20%	\$ 1,497.60
Estimated Project Cost:	\$	9,000.00

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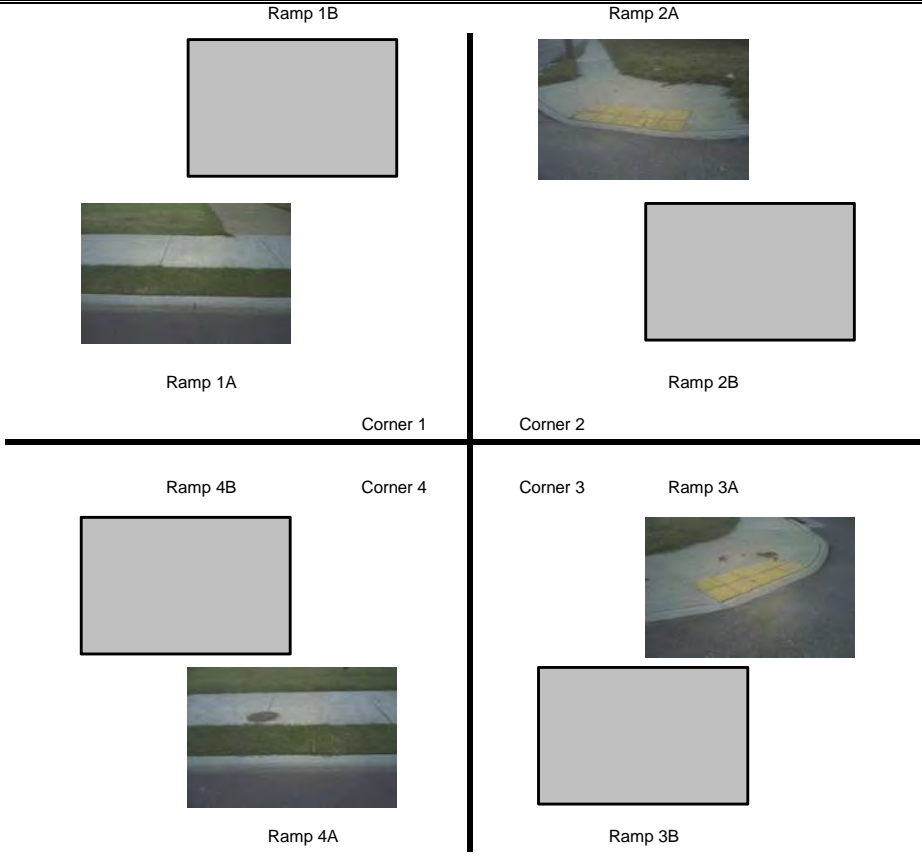
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			M		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Newton Pl (west)

GPS ID: 39077

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Oklahoma St

GPS ID: 39078

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,537.80
Engineering: (% +/-)	15%	\$ 2,340.94
Contingency: (% +/-)	20%	\$ 3,121.26
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

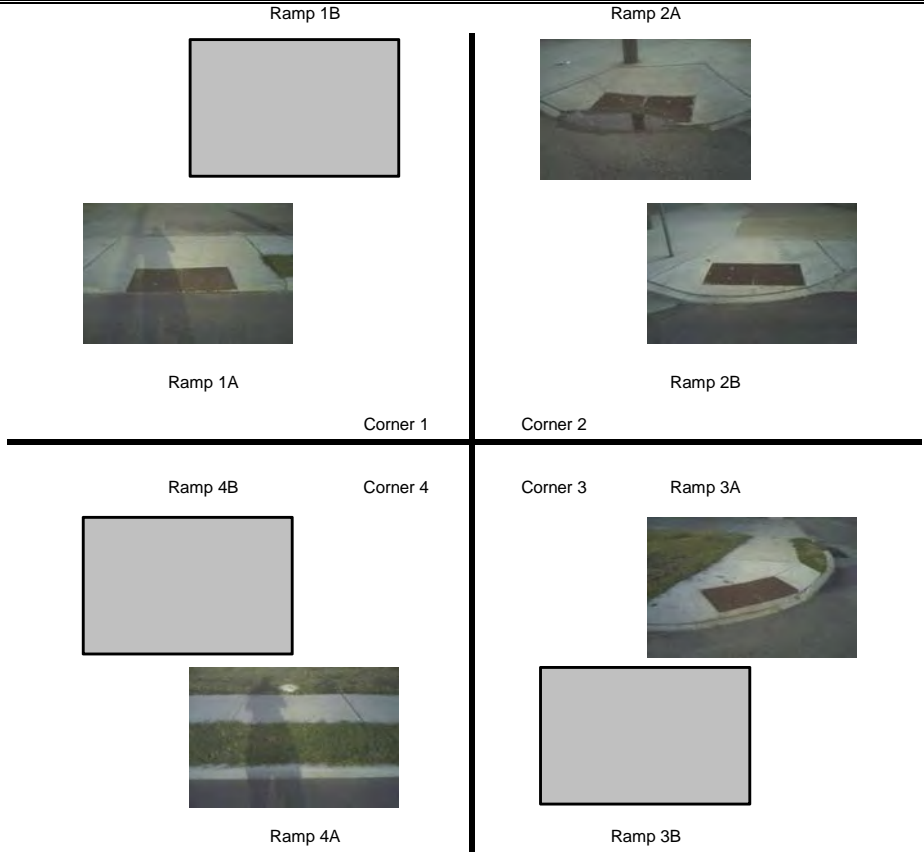
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X	X				Remove and replace ramp
Ramp cross slope is greater than 2%	X			X	X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X	X					Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	M				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Oklahoma Pl and N Sheridan Rd

GPS ID: 39079

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,874.20
Engineering: (% +/-)	15%	\$ 1,768.20
Contingency: (% +/-)	20%	\$ 2,357.60
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

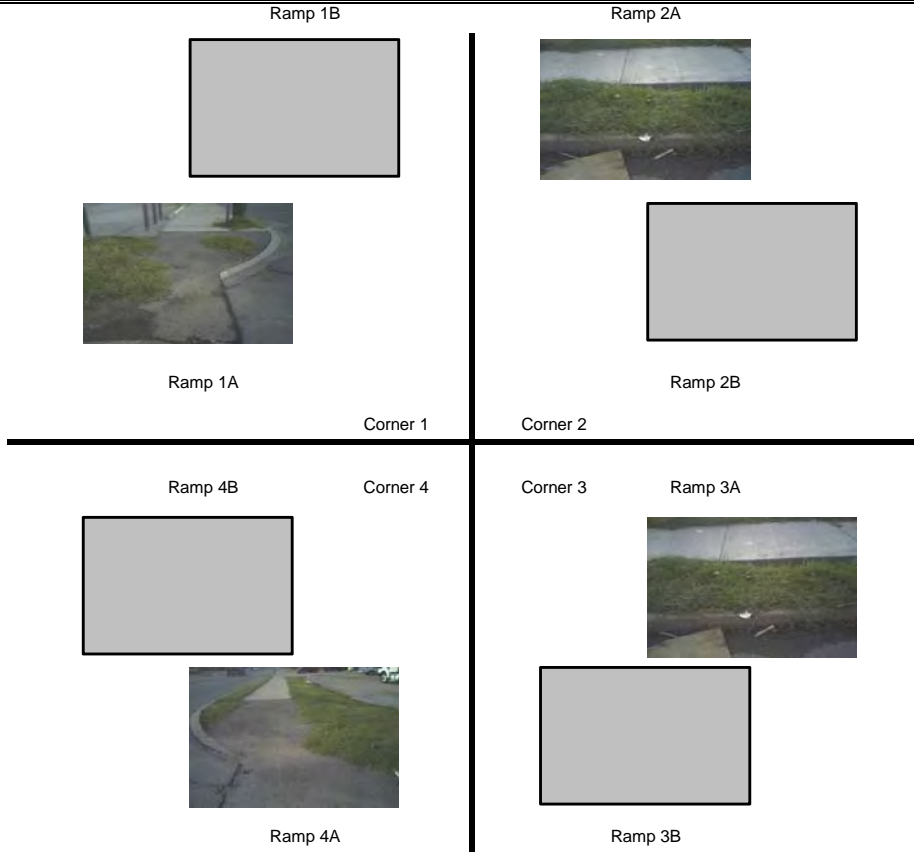
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Pine Pl

GPS ID: 39080

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,057.80
Engineering: (% +/-)	15%	\$ 3,832.37
Contingency: (% +/-)	20%	\$ 5,109.83
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

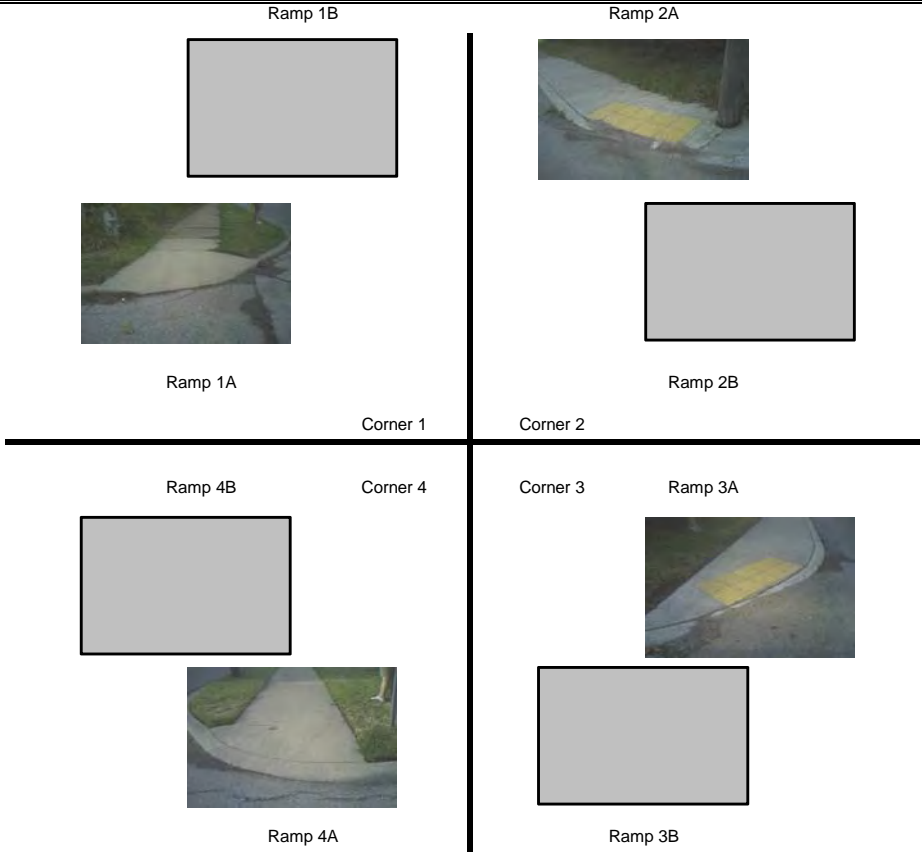
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%	X		X		X			X	
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X					X	
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Queen St

GPS ID: 39081

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,505.60
Engineering: (% +/-)	15%	\$ 4,069.03
Contingency: (% +/-)	20%	\$ 5,425.37
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X				Remove and replace ramp
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Reading St

GPS ID: 39082

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,532.30
Engineering: (% +/-)	15%	\$ 3,629.01
Contingency: (% +/-)	20%	\$ 4,838.69
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk	X							X	
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X					
Ramp width is less than 36"				X					
Obstruction present in ramp or landing area									Install colored truncated domes
No textured surface at base of ramp				X	X				
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									Regrade roadway
Ponding occurs at base of ramp				X					
Ramp not needed due to existing geometry				X					Remove ramp
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Tecumseh St

GPS ID: 39083

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,102.60
Engineering: (% +/-)	15%	\$ 813.17
Contingency: (% +/-)	20%	\$ 1,084.23
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

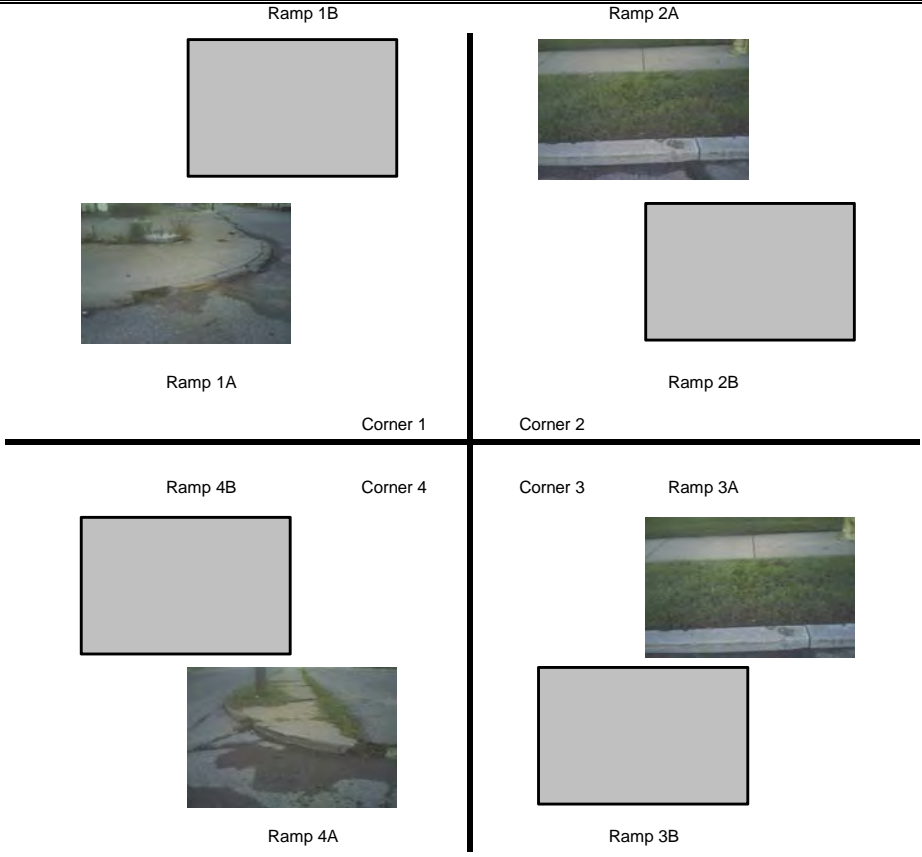
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and E Young St / SH 11 EB Entrance Ramp

GPS ID: 39084

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,749.60
Engineering: (% +/-)	15%	\$ 2,678.74
Contingency: (% +/-)	20%	\$ 3,571.66
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

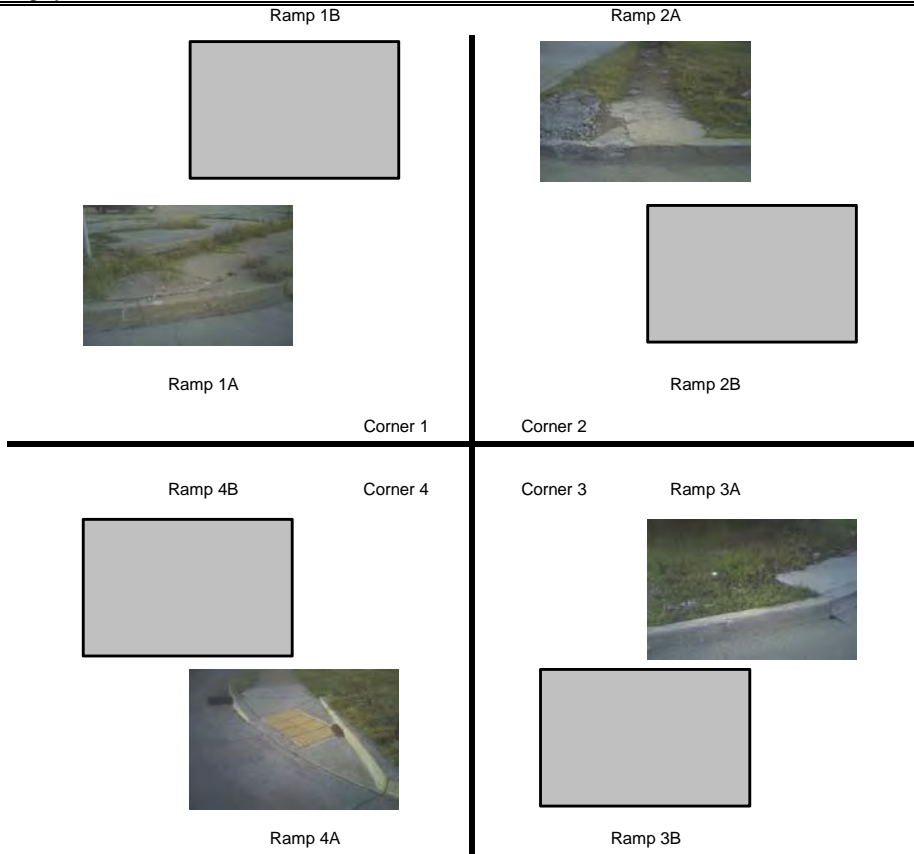
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Sheridan Rd and SH 11 WB Ramp

GPS ID: 39085

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,359.00
Engineering: (% +/-)	15%	\$ 2,417.57
Contingency: (% +/-)	20%	\$ 3,223.43
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

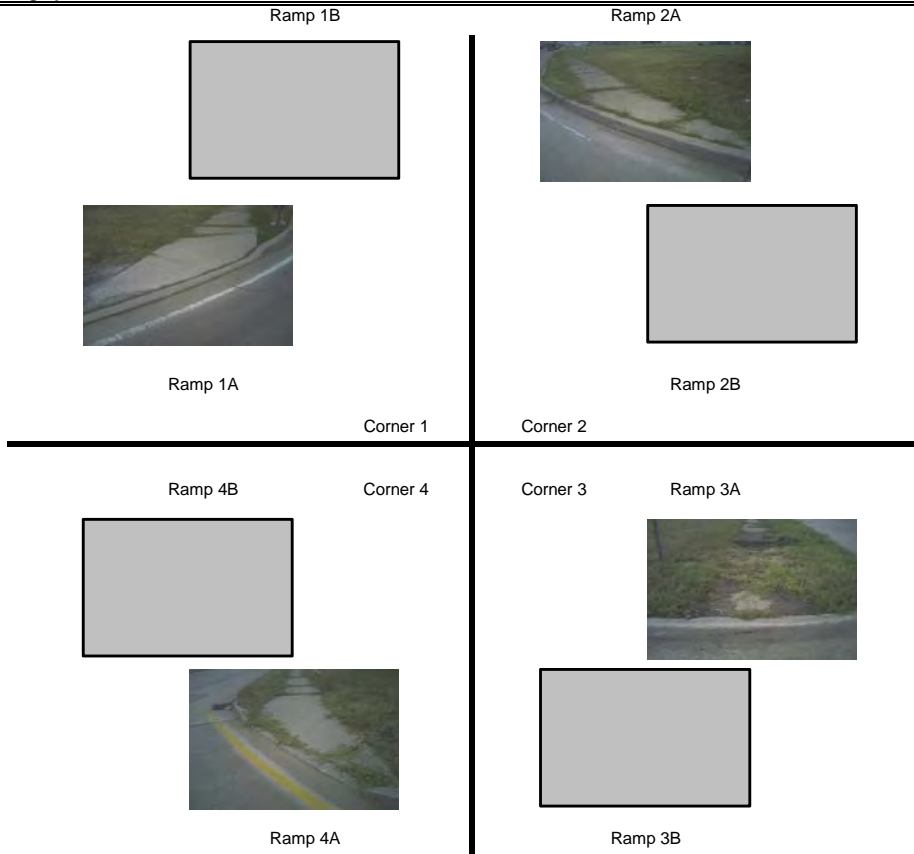
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X						X		Remove and replace ramp
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and S Yukon Ave

GPS ID: 40000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,904.20
Engineering: (% +/-)	15%	\$ 1,755.34
Contingency: (% +/-)	20%	\$ 2,340.46
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

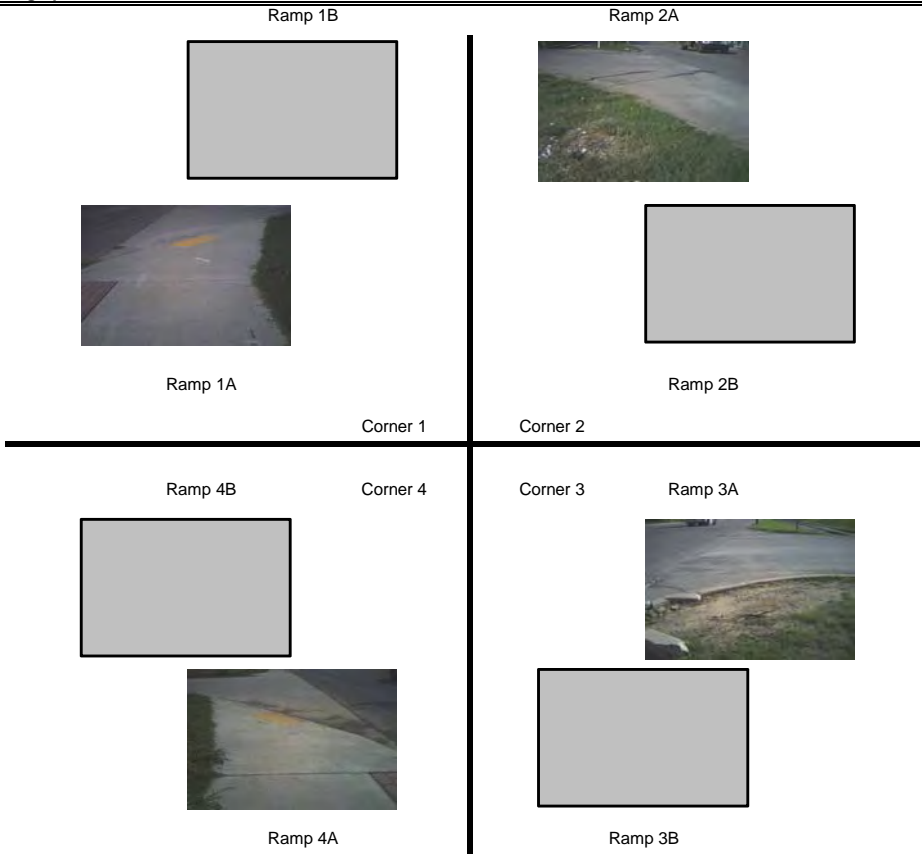
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Poor	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	-	No	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X						X		Remove ramp
Ramp Priority:	C		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and S Xenophon Ave

GPS ID: 40001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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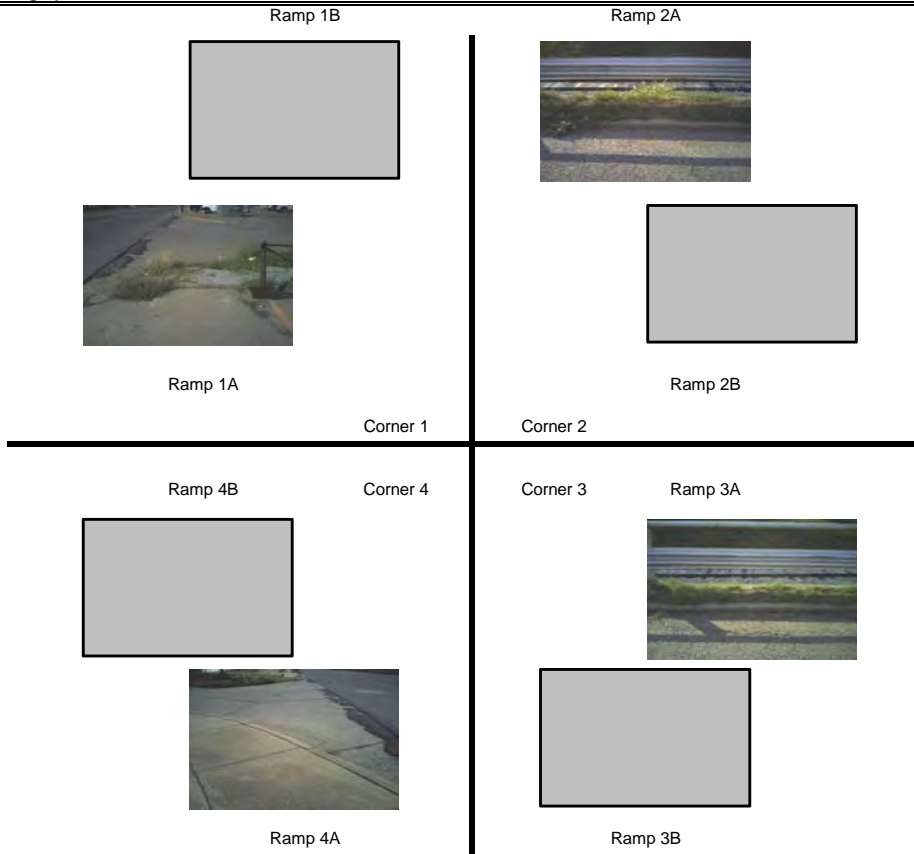
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	-	
Crosswalk striping	-	N/A	-	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and S Union PI

GPS ID: 40002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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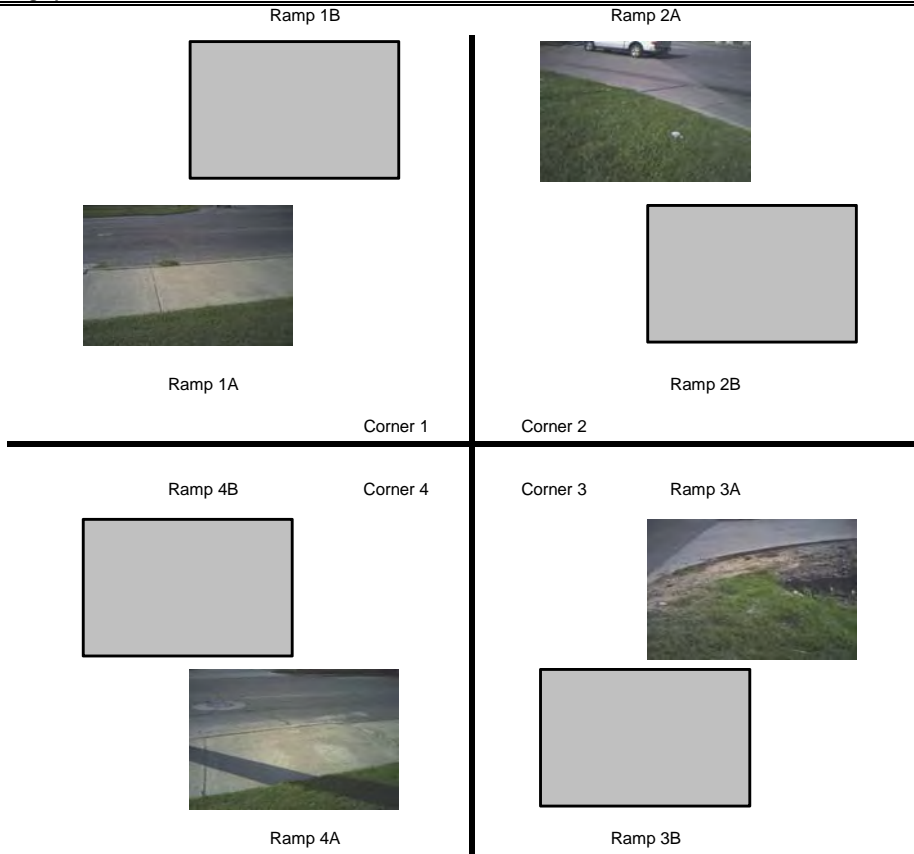
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Poor	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	-	No	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 35th St

GPS ID: 40003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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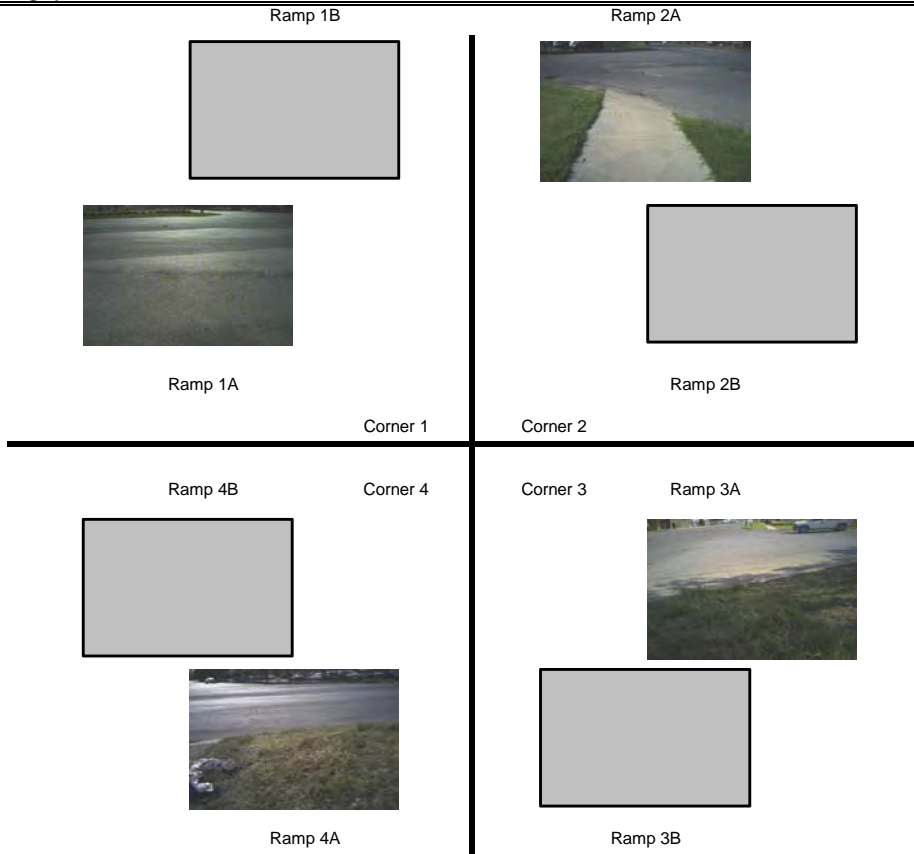
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Poor	-	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	-	No	-	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 24th Pl and Southwest Blvd

GPS ID: 40004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,712.00
Engineering: (% +/-)	15%	\$ 1,837.71
Contingency: (% +/-)	20%	\$ 2,450.29
Estimated Project Cost:	\$	16,000.00

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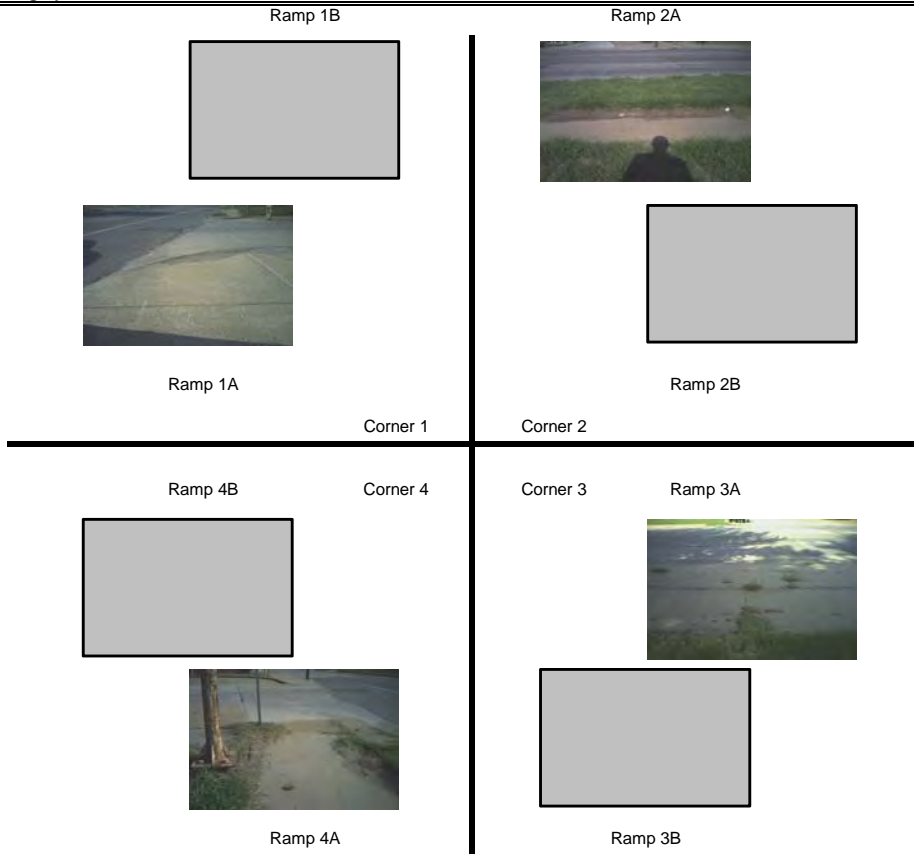
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 22nd PI

GPS ID: 40006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,509.20
Engineering: (% +/-)	15%	\$ 1,067.49
Contingency: (% +/-)	20%	\$ 1,423.31
Estimated Project Cost:	\$	8,000.00

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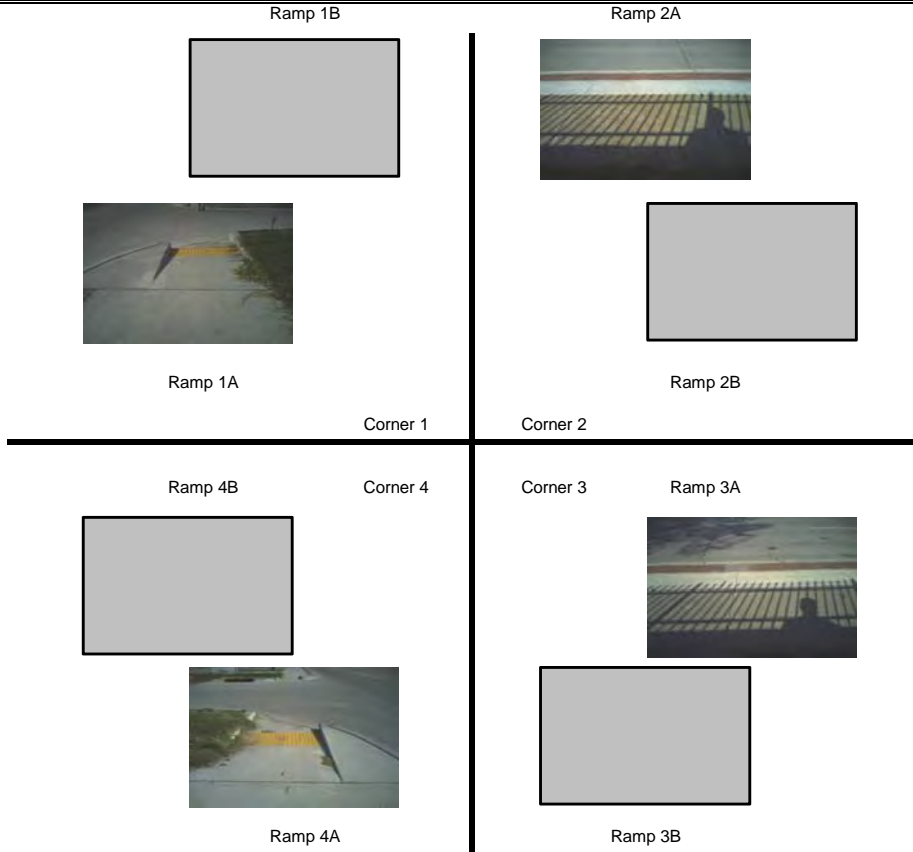
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		-					M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 21st PI

GPS ID: 40007A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,191.40
Engineering: (% +/-)	15%	\$ 1,632.26
Contingency: (% +/-)	20%	\$ 2,176.34
Estimated Project Cost:	\$	12,000.00

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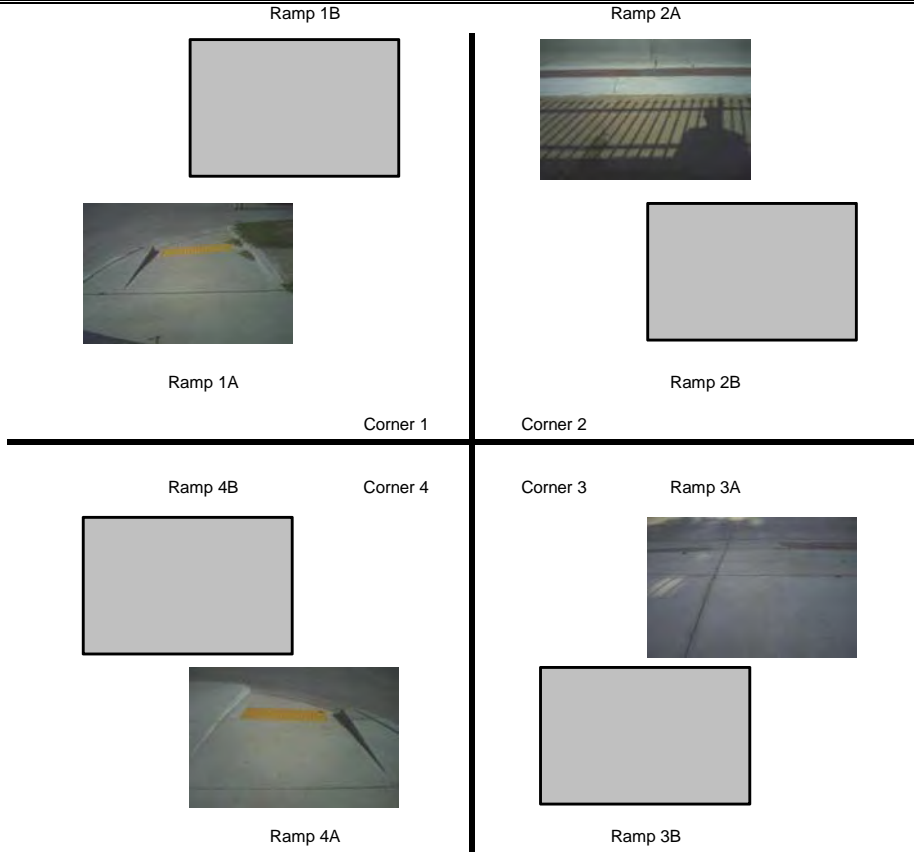
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 22nd St GPS ID: 40007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	7,061.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,259.40
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,679.20
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	10,000.00

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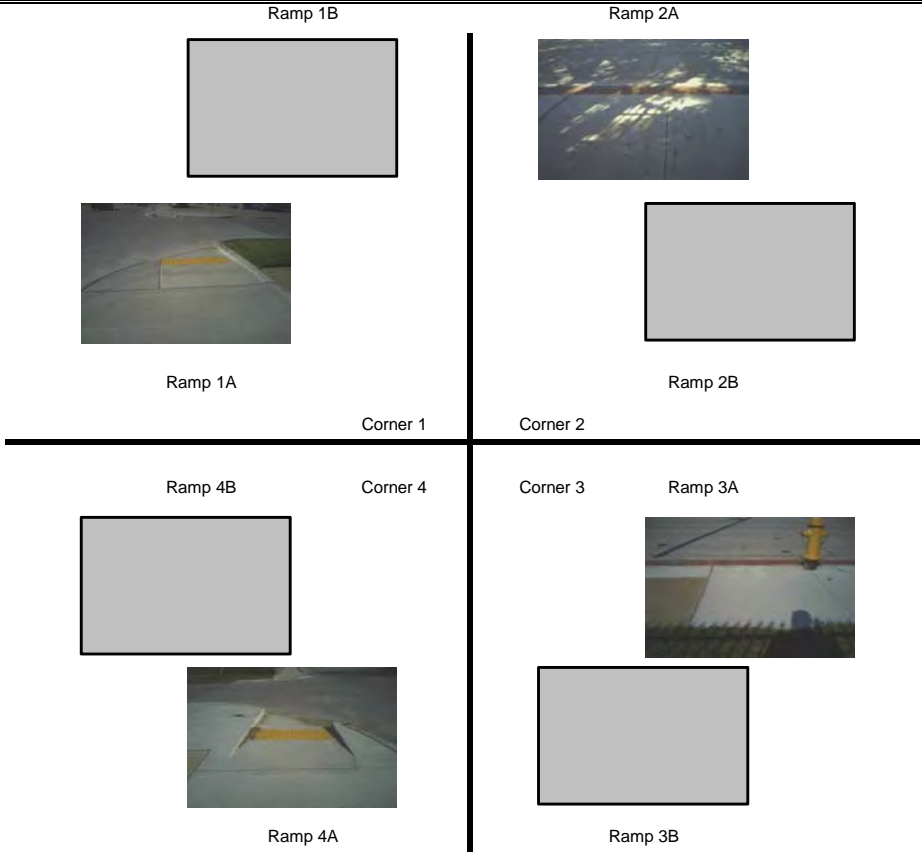
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 21st St

GPS ID: 40008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	72.24	SY	\$ 10.00	\$ 722.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	72.24	SY	\$ 80.00	\$ 5,779.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	190	LF	\$ 6.50	\$ 1,235.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,949.80
Engineering: (% +/-)	15%	\$ 4,307.23
Contingency: (% +/-)	20%	\$ 5,742.97
Estimated Project Cost:	\$	36,000.00

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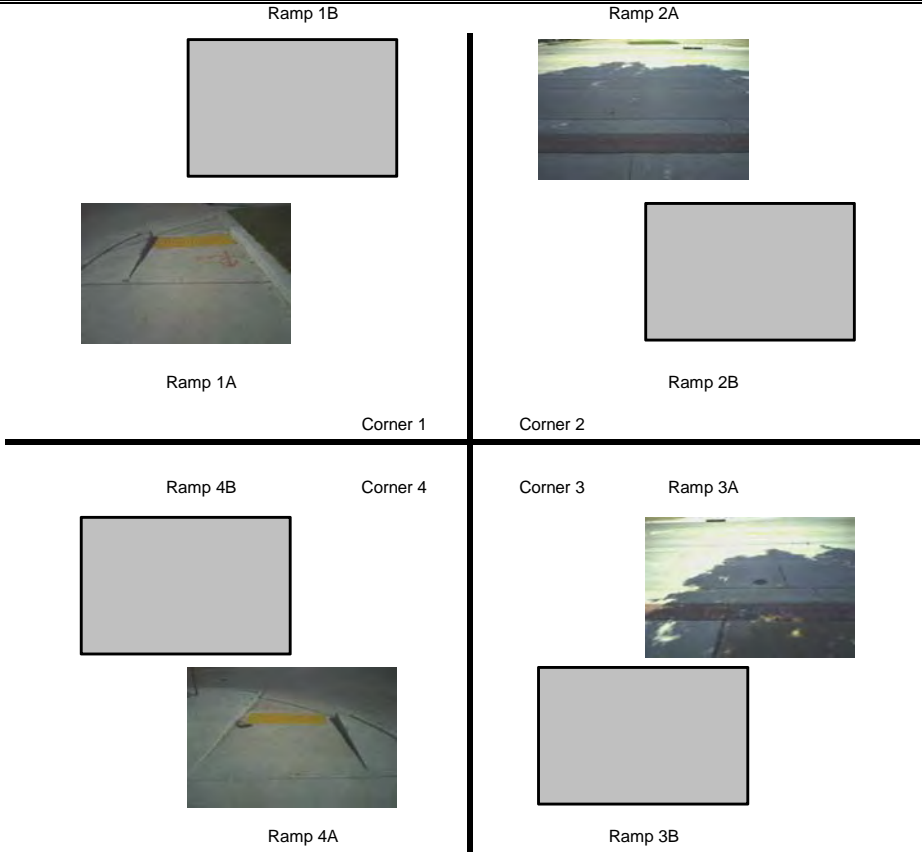
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		-		-		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 20th St

GPS ID: 40009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	455.00
Engineering: (% +/-)	15%	\$ 233.57
Contingency: (% +/-)	20%	\$ 311.43
Estimated Project Cost:	\$	1,000.00

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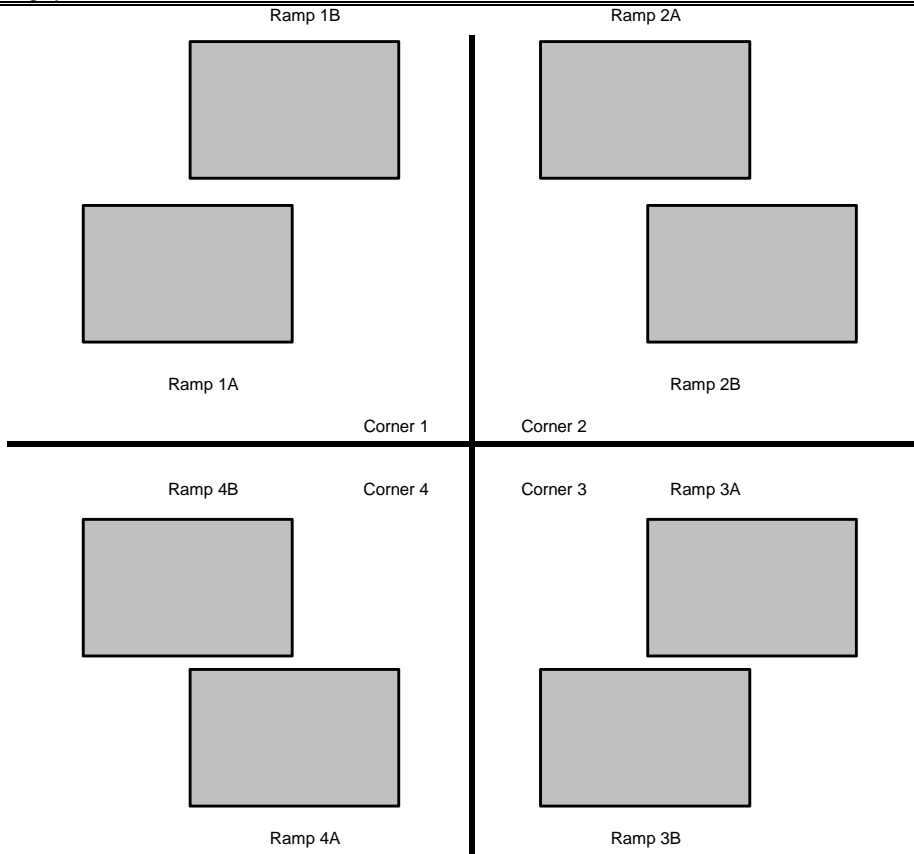
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 19th St

GPS ID: 40010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,321.40
Engineering: (% +/-)	15%	\$ 1,147.97
Contingency: (% +/-)	20%	\$ 1,530.63
Estimated Project Cost:	\$	9,000.00

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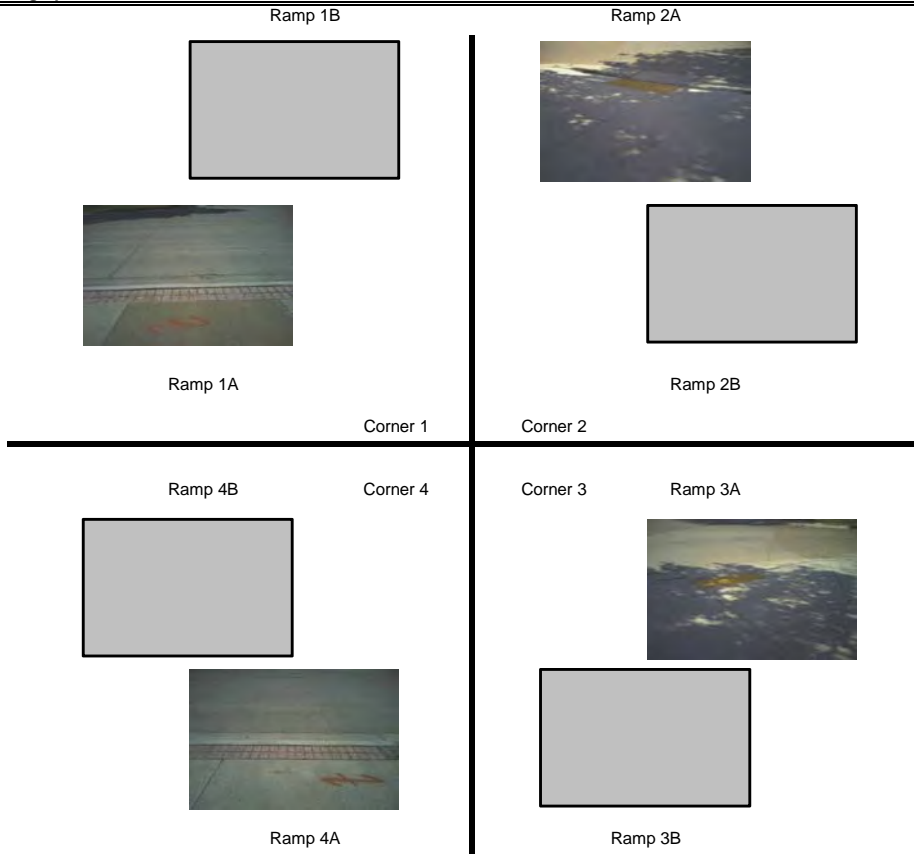
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M	M					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 18th St

GPS ID: 40011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,509.20
Engineering: (% +/-)	15%	\$ 1,067.49
Contingency: (% +/-)	20%	\$ 1,423.31
Estimated Project Cost:	\$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Southwest Blvd and W 12th St

GPS ID: 40013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

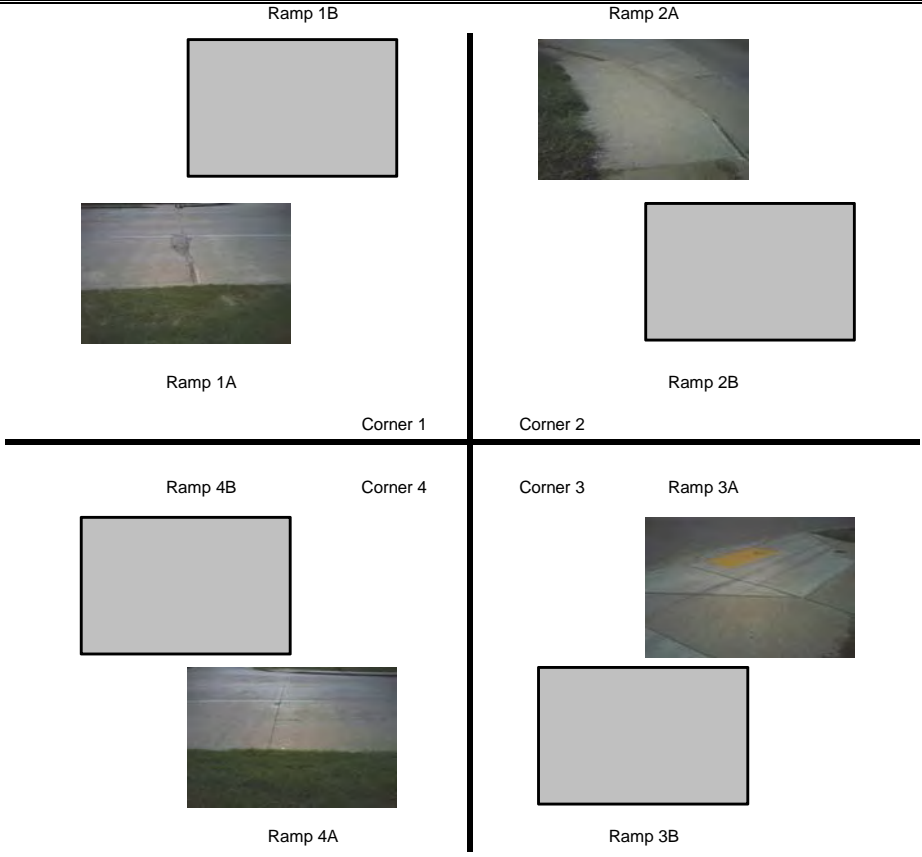
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	-	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	-	No	-	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 97th St

GPS ID: 41000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

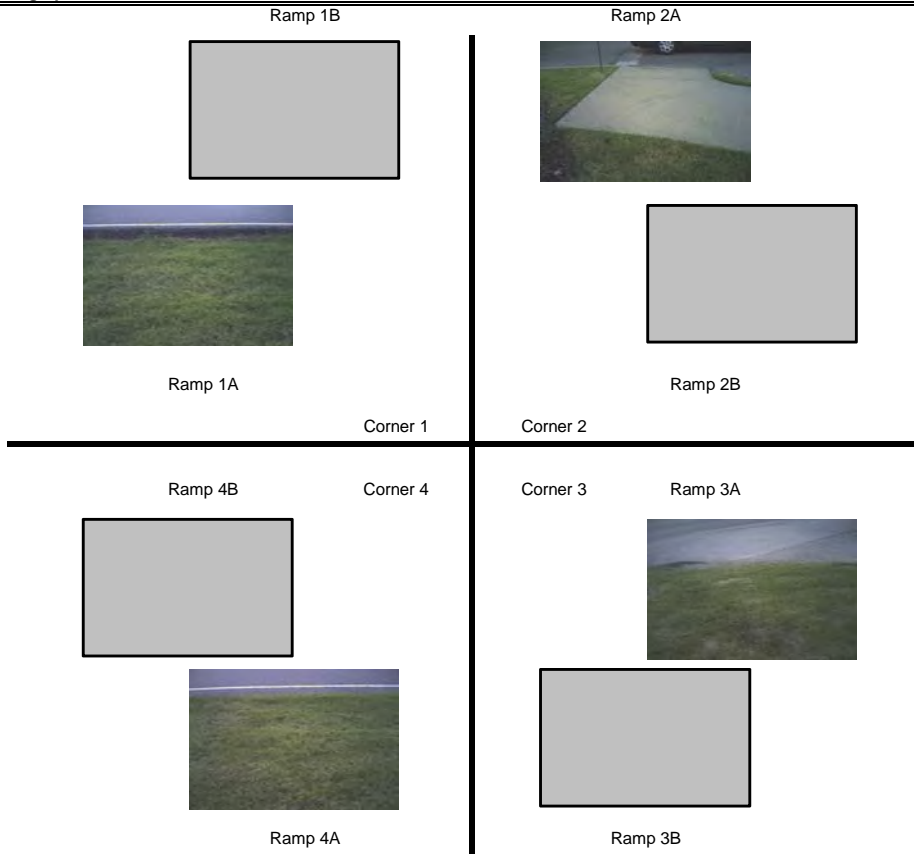
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 94th St

GPS ID: 41001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,388.20
Engineering: (% +/-)	15%	\$ 690.77
Contingency: (% +/-)	20%	\$ 921.03
Estimated Project Cost:	\$	5,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

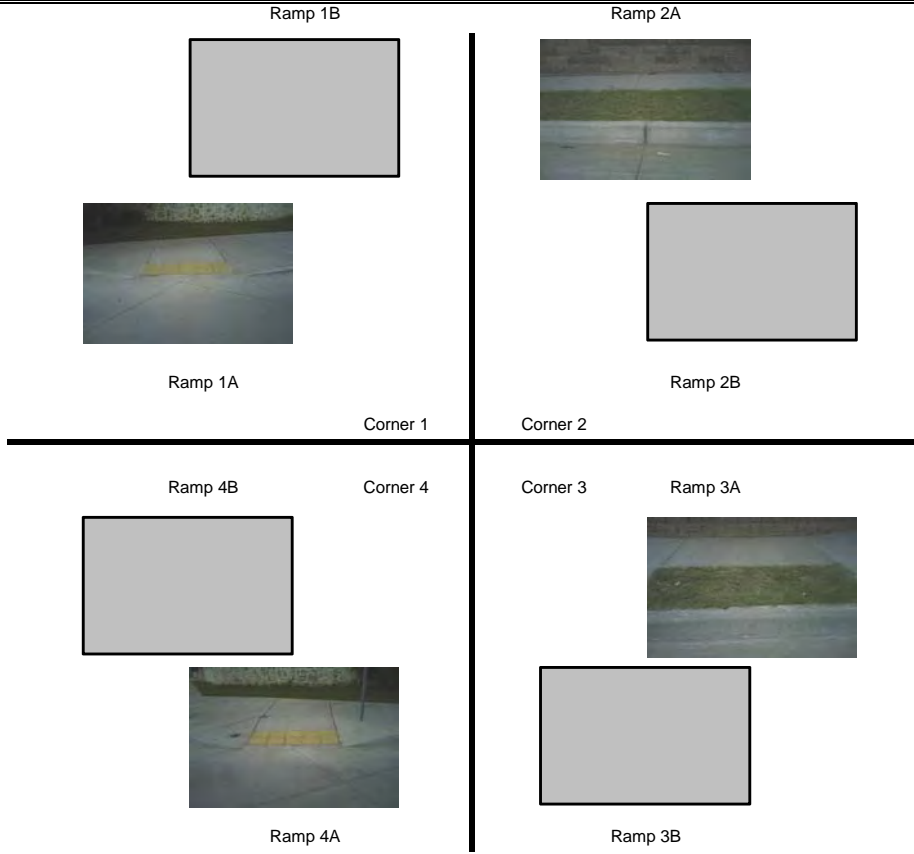
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C		-		-		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 93rd Ct

GPS ID: 41002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,558.20
Engineering: (% +/-)	15%	\$ 1,475.06
Contingency: (% +/-)	20%	\$ 1,966.74
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

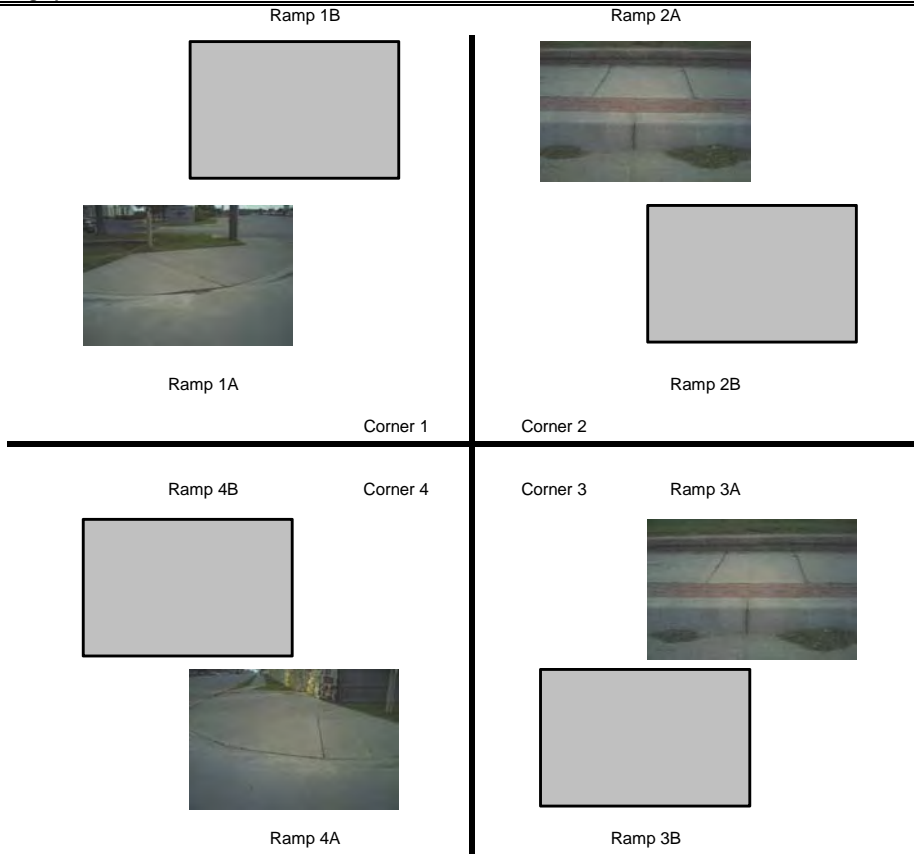
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 92nd St

GPS ID: 41003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,252.80
Engineering: (% +/-)	15%	\$ 2,034.51
Contingency: (% +/-)	20%	\$ 2,712.69
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

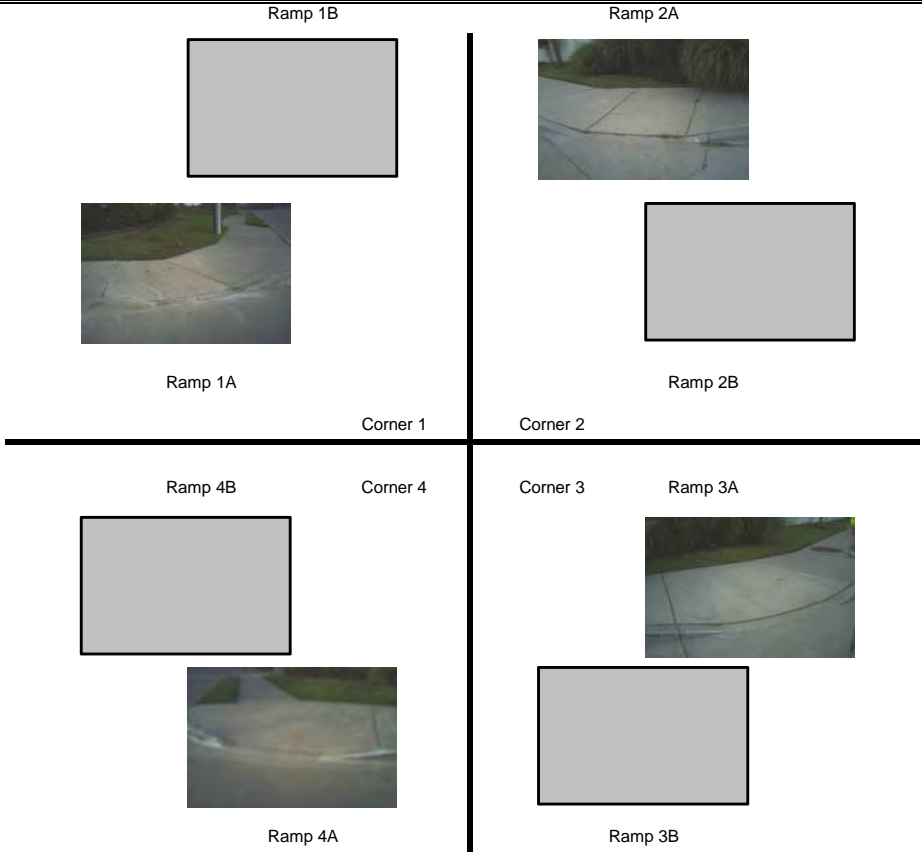
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 89th St

GPS ID: 41004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,187.80
Engineering: (% +/-)	15%	\$ 2,919.51
Contingency: (% +/-)	20%	\$ 3,892.69
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

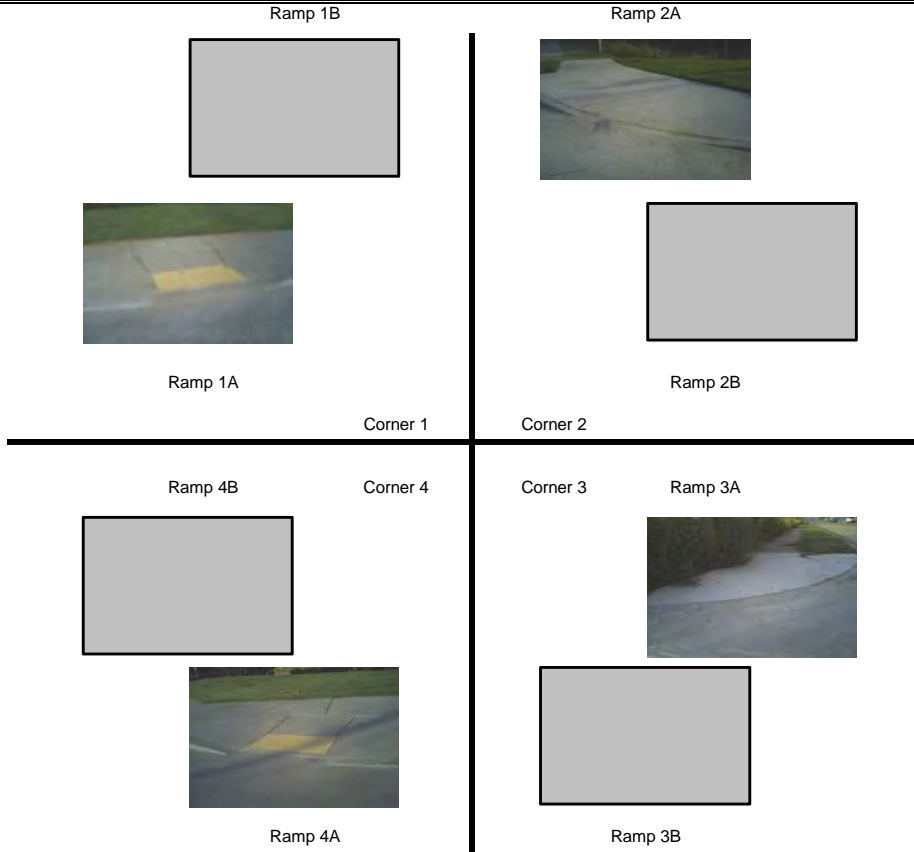
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X							X	
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 80th St and S Yale Ave

GPS ID: 41005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,574.20
Engineering: (% +/-)	15%	\$ 1,039.63
Contingency: (% +/-)	20%	\$ 1,386.17
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

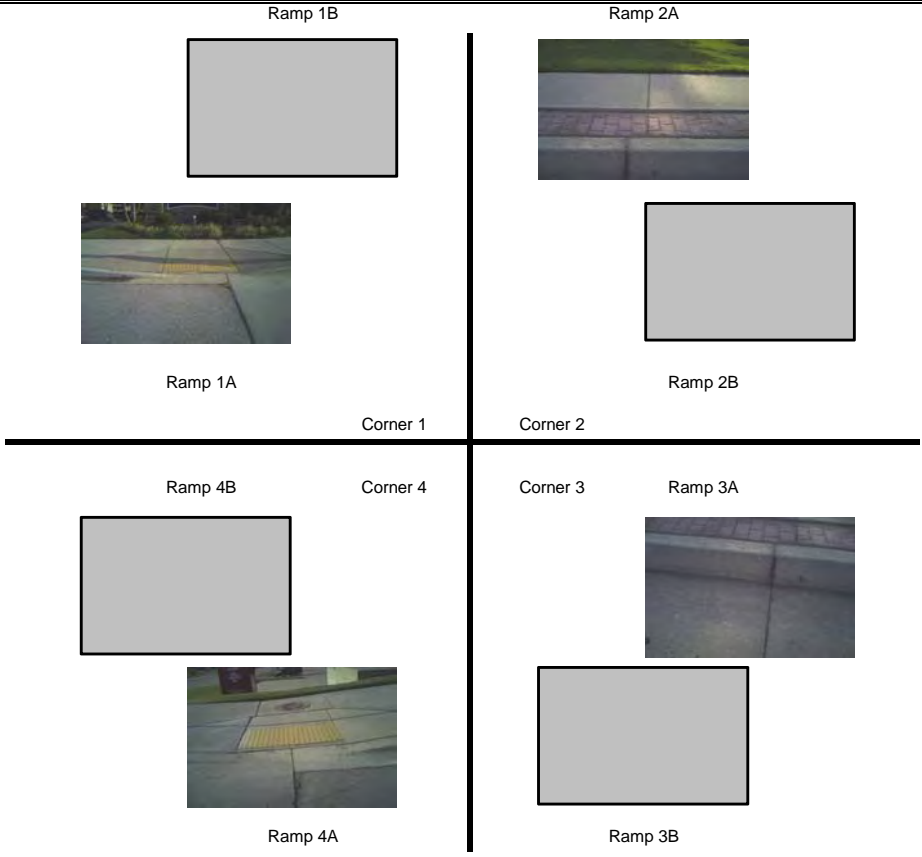
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 14th St

GPS ID: 41006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,252.80
Engineering: (% +/-)	15%	\$ 2,034.51
Contingency: (% +/-)	20%	\$ 2,712.69
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

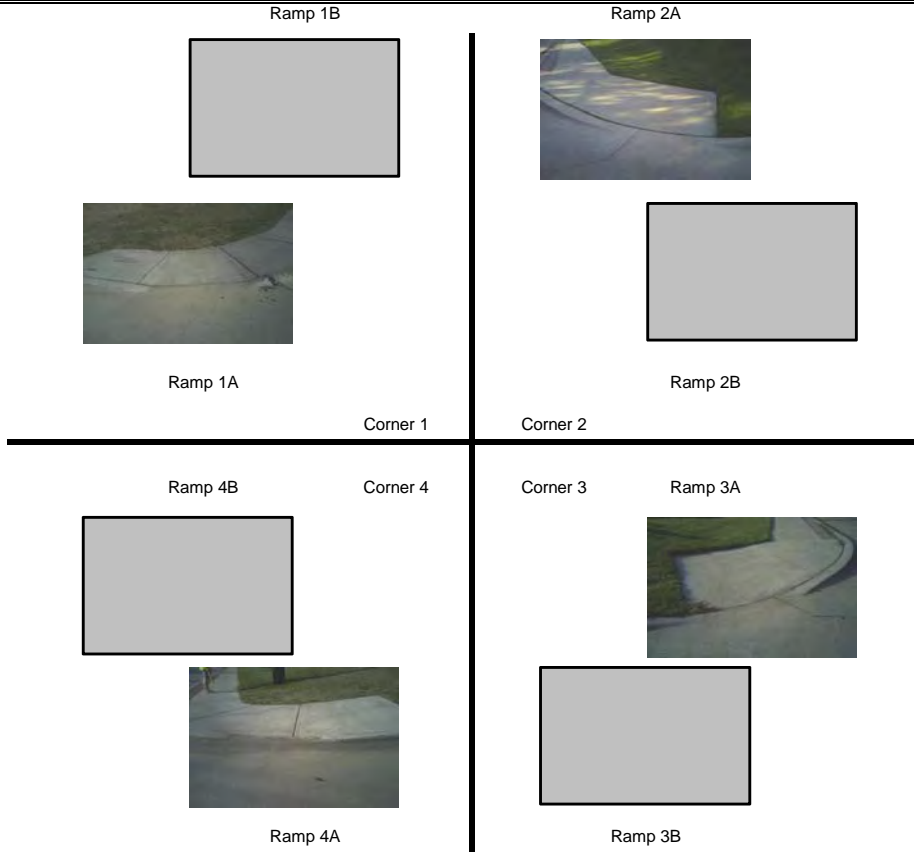
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 77th St

GPS ID: 41007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

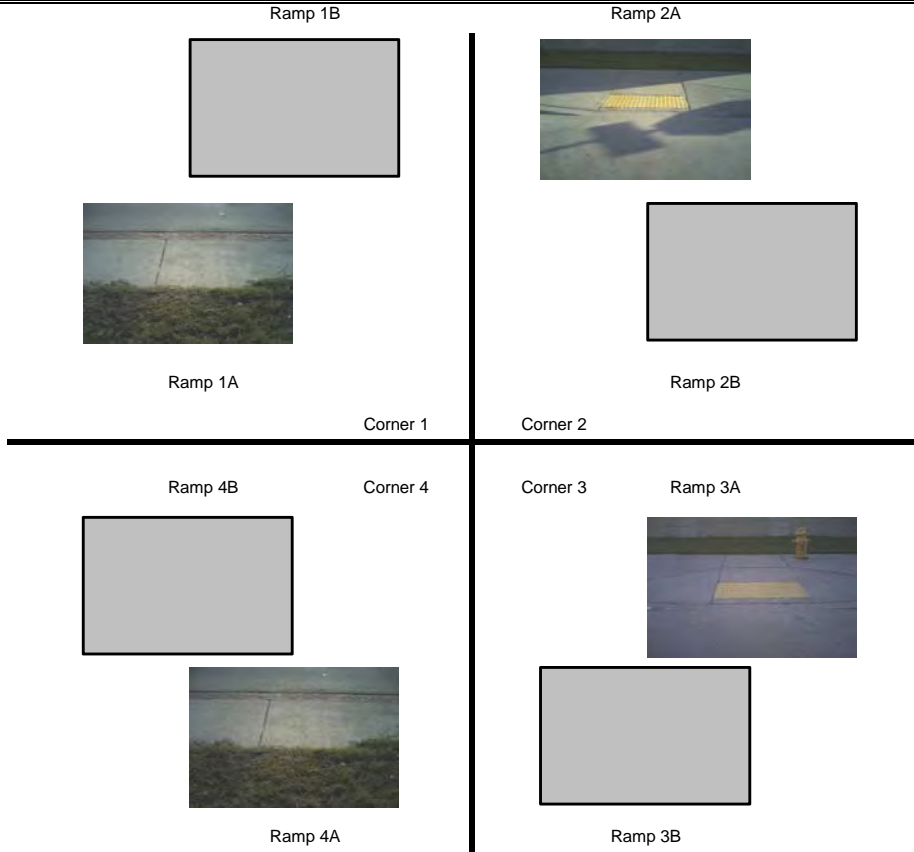
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 76th St and S Yale Ave

GPS ID: 41008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 40.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,861.60
Engineering: (% +/-)	15%	\$ 2,202.17
Contingency: (% +/-)	20%	\$ 2,936.23
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

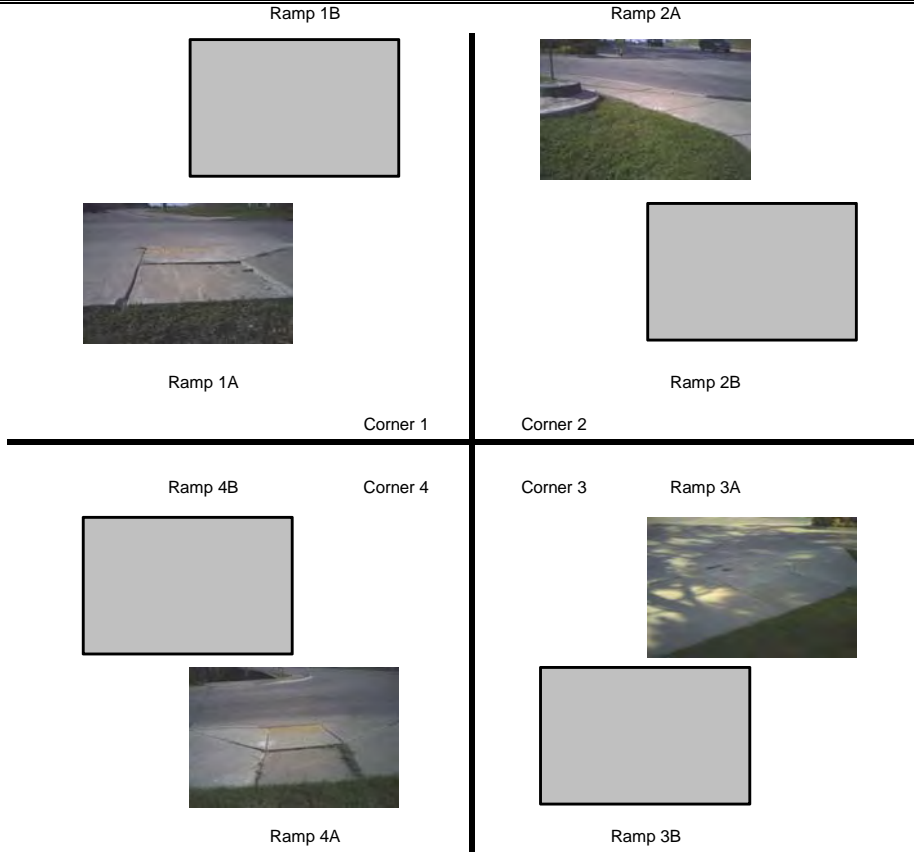
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X	X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X							X	
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 75th St

GPS ID: 41010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 74th St

GPS ID: 41011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,252.80
Engineering: (% +/-)	15%	\$ 2,463.09
Contingency: (% +/-)	20%	\$ 3,284.11
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 73rd St

GPS ID: 41012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,574.20
Engineering: (% +/-)	15%	\$ 1,039.63
Contingency: (% +/-)	20%	\$ 1,386.17
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

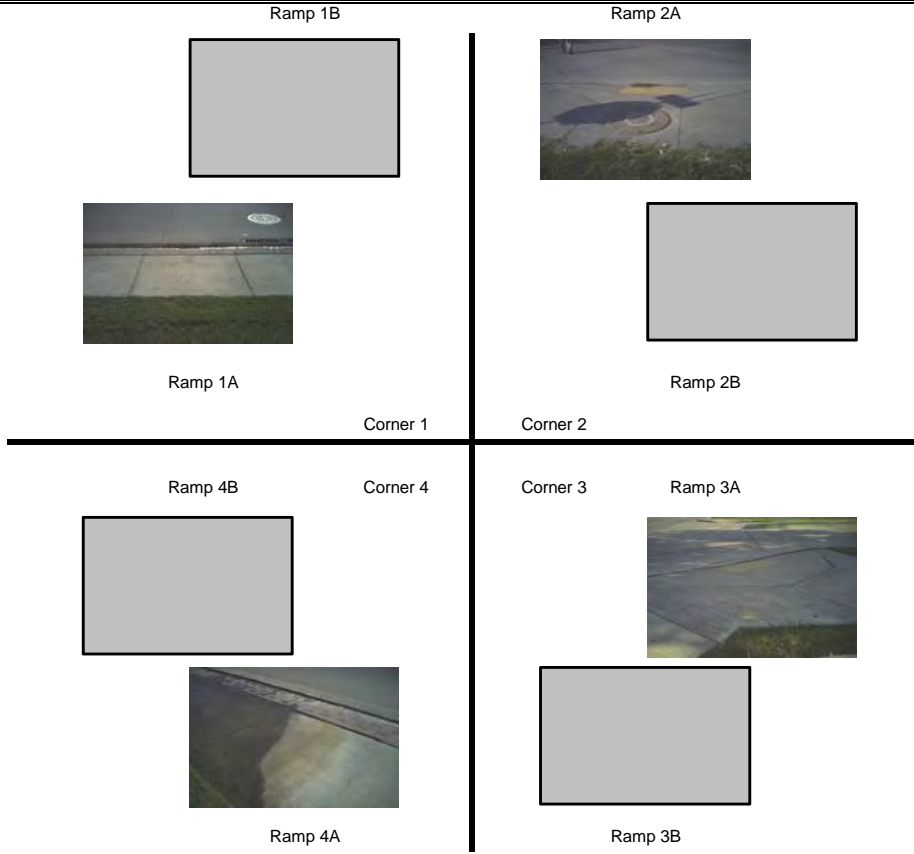
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 71st PI

GPS ID: 41013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

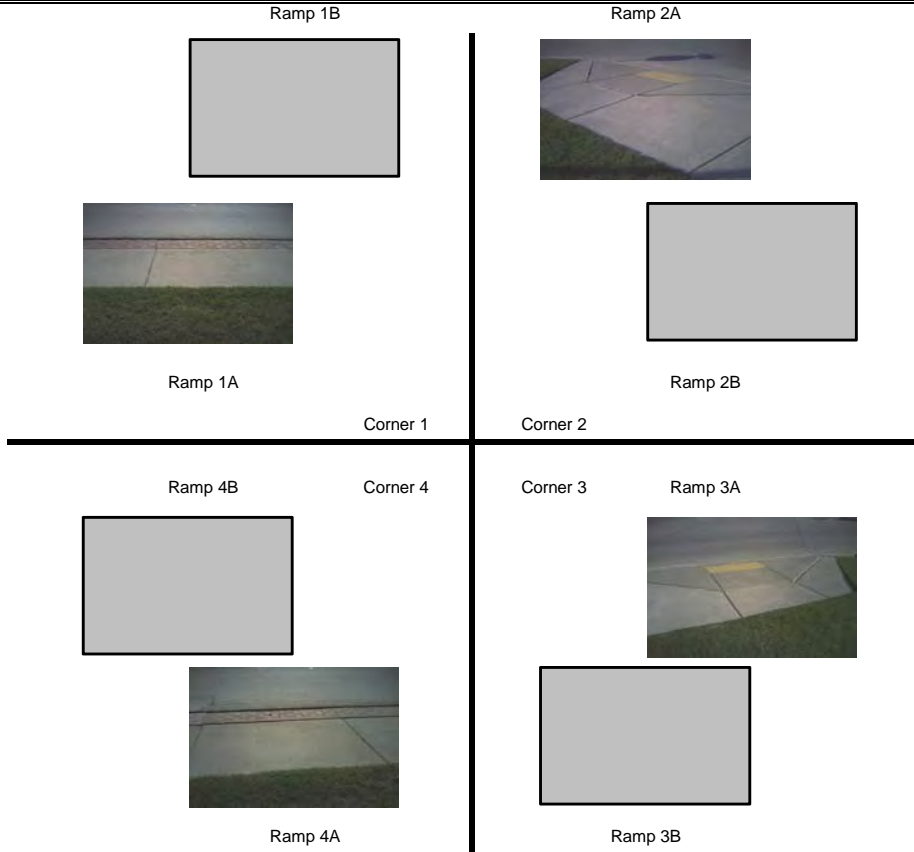
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and S Zurich Ave

GPS ID: 41014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	190	LF	\$ 6.50	\$ 1,235.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,012.60
Engineering: (% +/-)	15%	\$ 2,566.03
Contingency: (% +/-)	20%	\$ 3,421.37
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

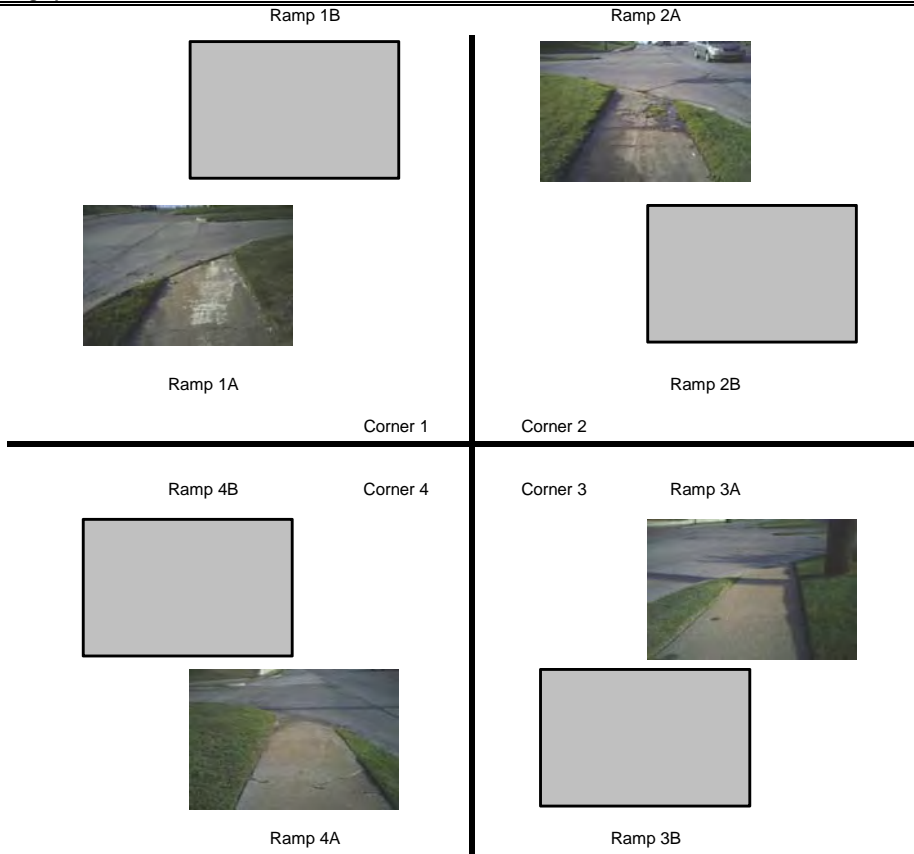
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

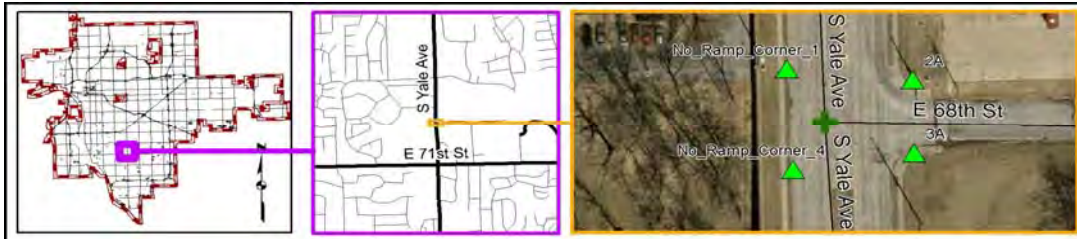
Project Name: Intersection of S Yale Ave and E 68th St (east) GPS ID: 41015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	13,061.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,116.54
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20%	\$ 2,822.06
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

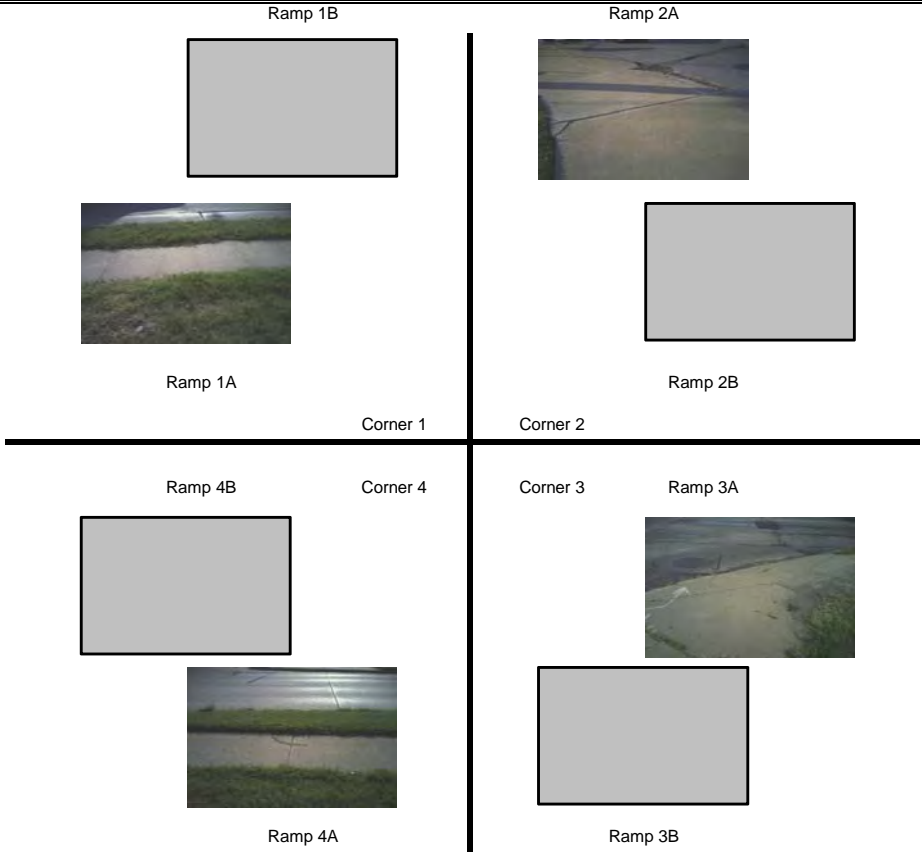
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%				X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp				X	X				
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X	X				
Ponding occurs at base of ramp				X	X				
Ramp not needed due to existing geometry									
Ramp Priority:				H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 67th St

GPS ID: 41016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,252.80
Engineering: (% +/-)	15%	\$ 3,320.23
Contingency: (% +/-)	20%	\$ 4,226.97
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

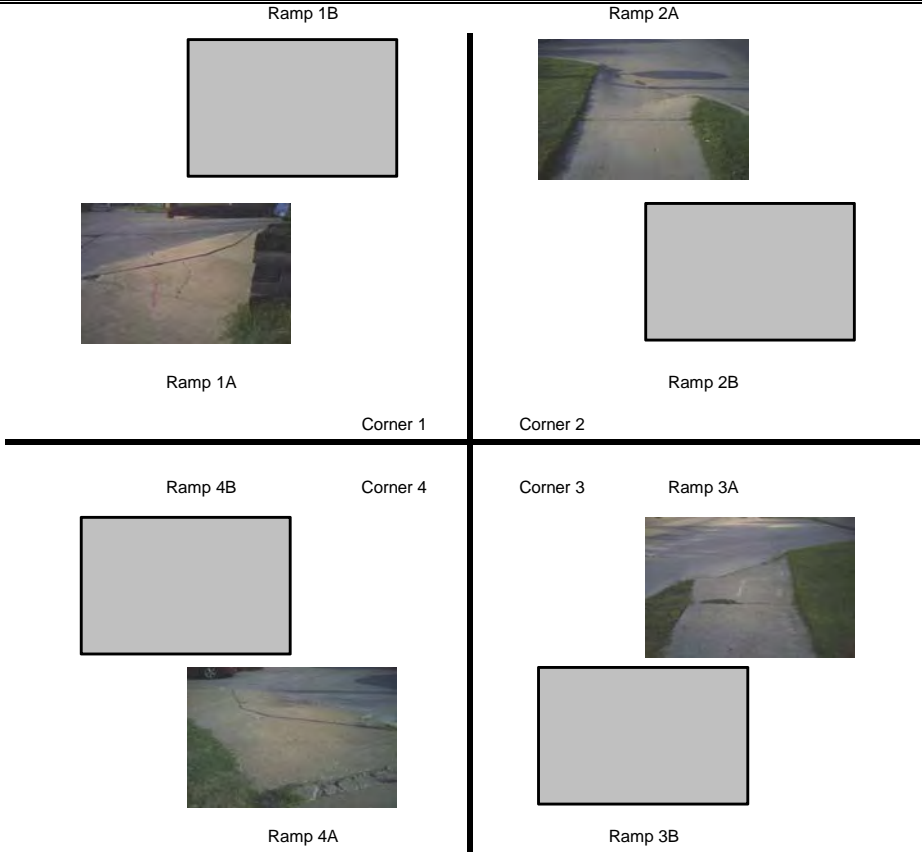
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repare roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp			X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 59th St

GPS ID: 41017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,492.60
Engineering: (% +/-)	15%	\$ 1,931.74
Contingency: (% +/-)	20%	\$ 2,575.66
Estimated Project Cost:	\$	15,000.00

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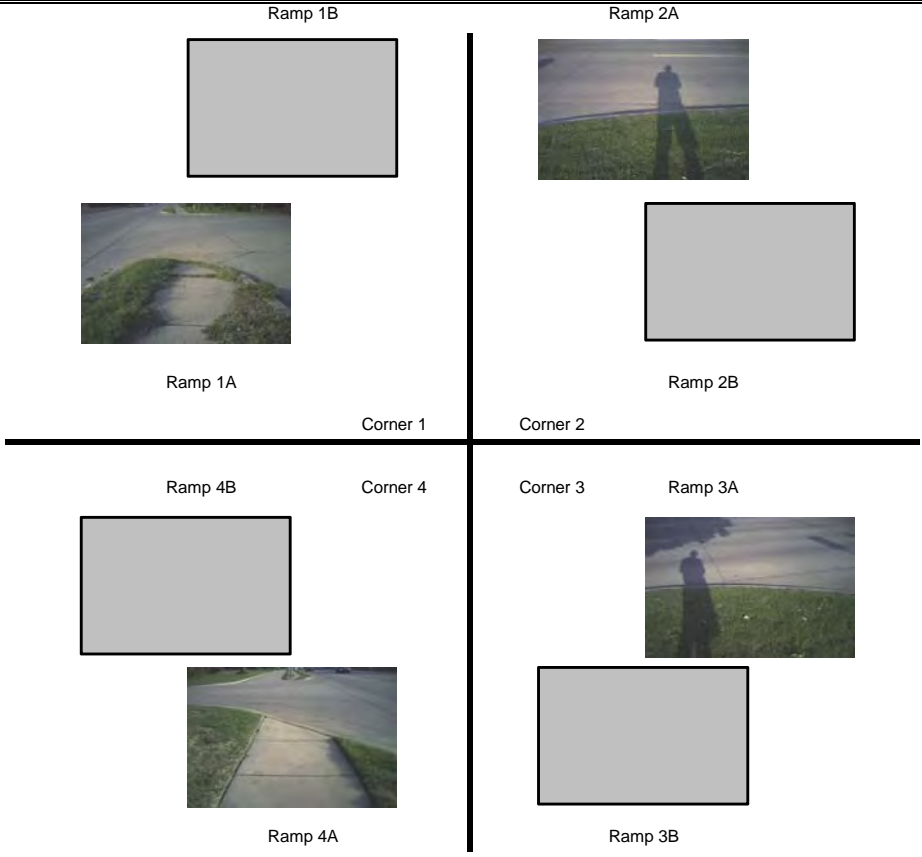
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 58th St and S Yale Ave

GPS ID: 41018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

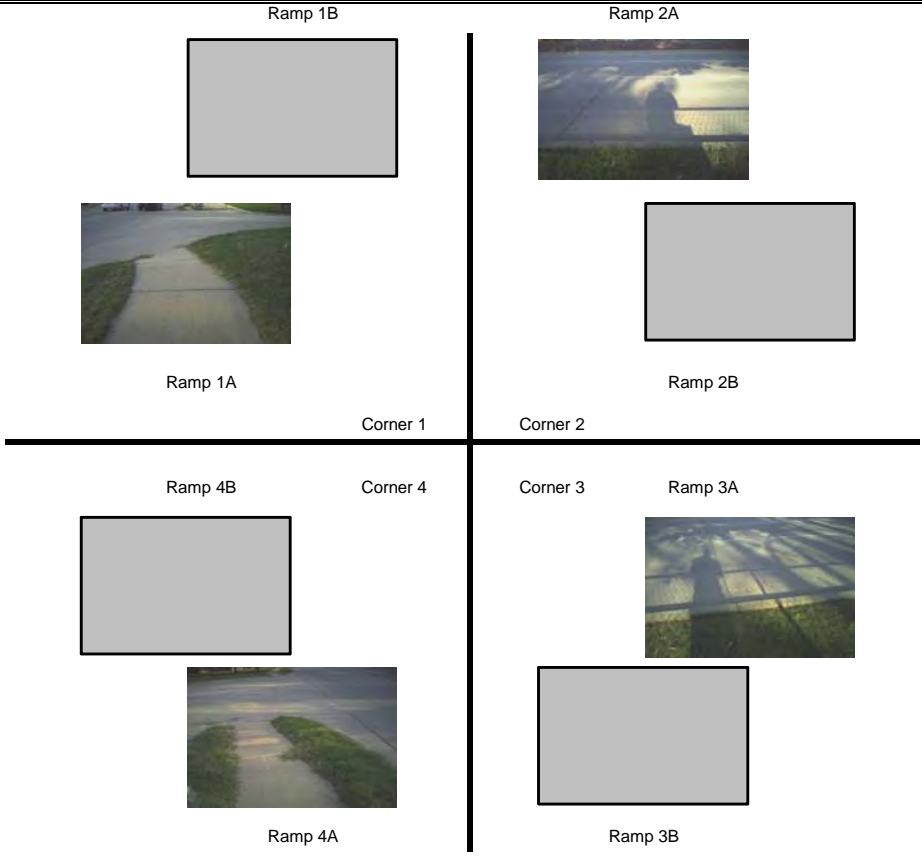
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 57th PI

GPS ID: 41019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

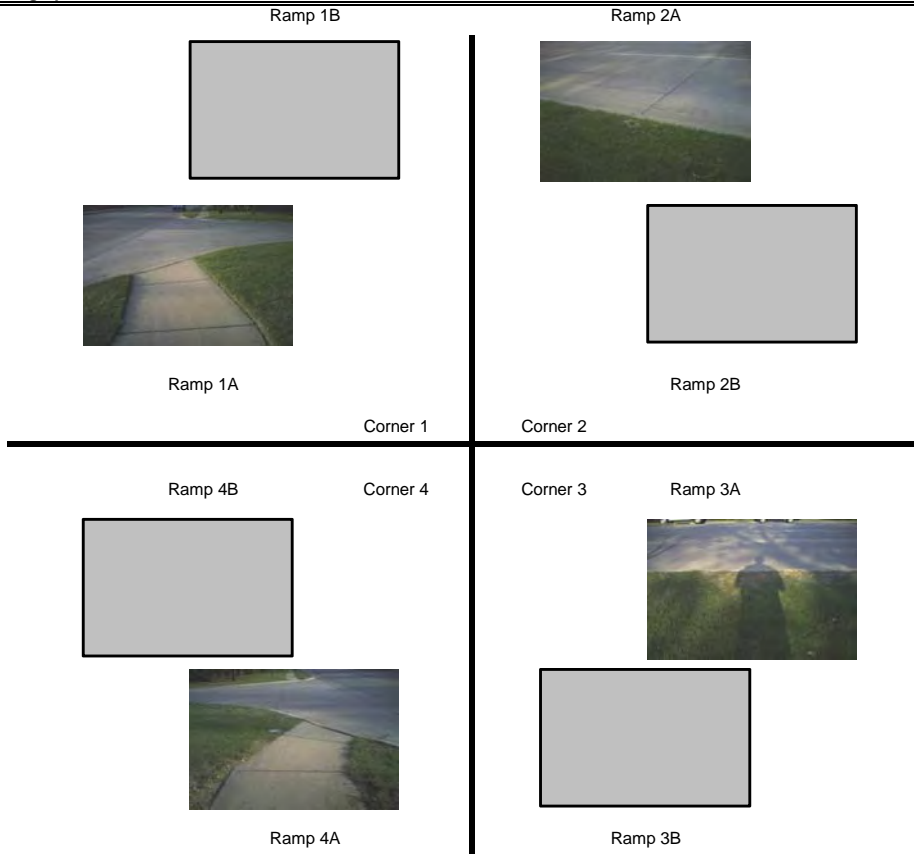
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 57th St

GPS ID: 41020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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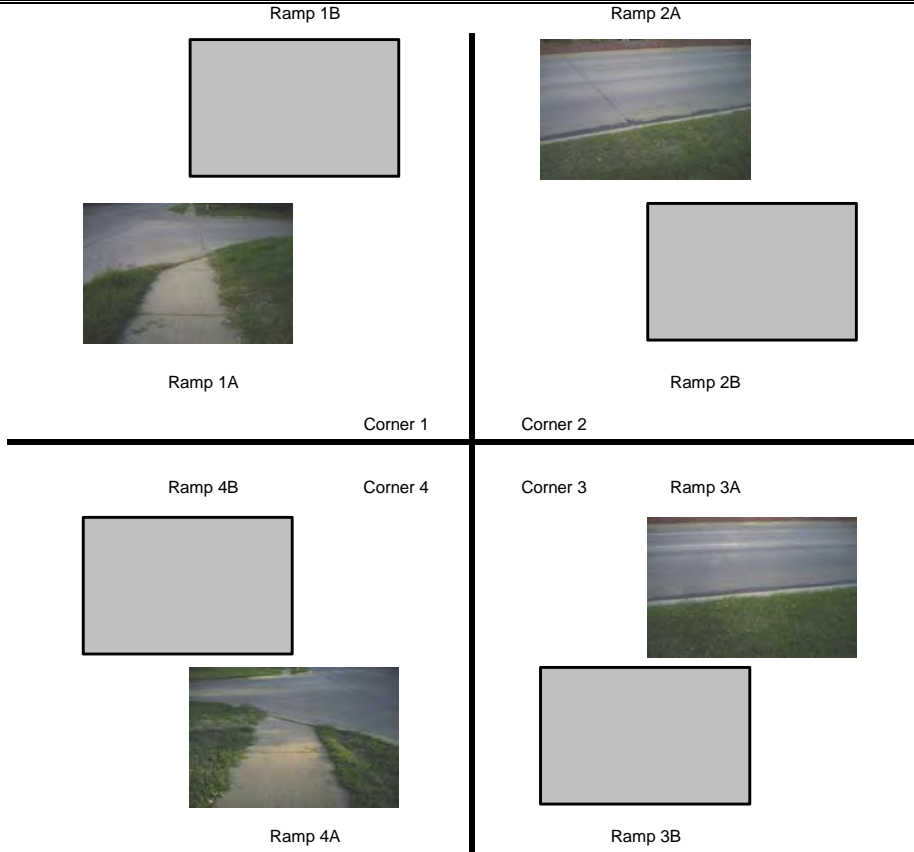
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 54th St

GPS ID: 41021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,037.00
Engineering: (% +/-)	15%	\$ 1,698.43
Contingency: (% +/-)	20%	\$ 2,264.57
Estimated Project Cost:	\$	15,000.00

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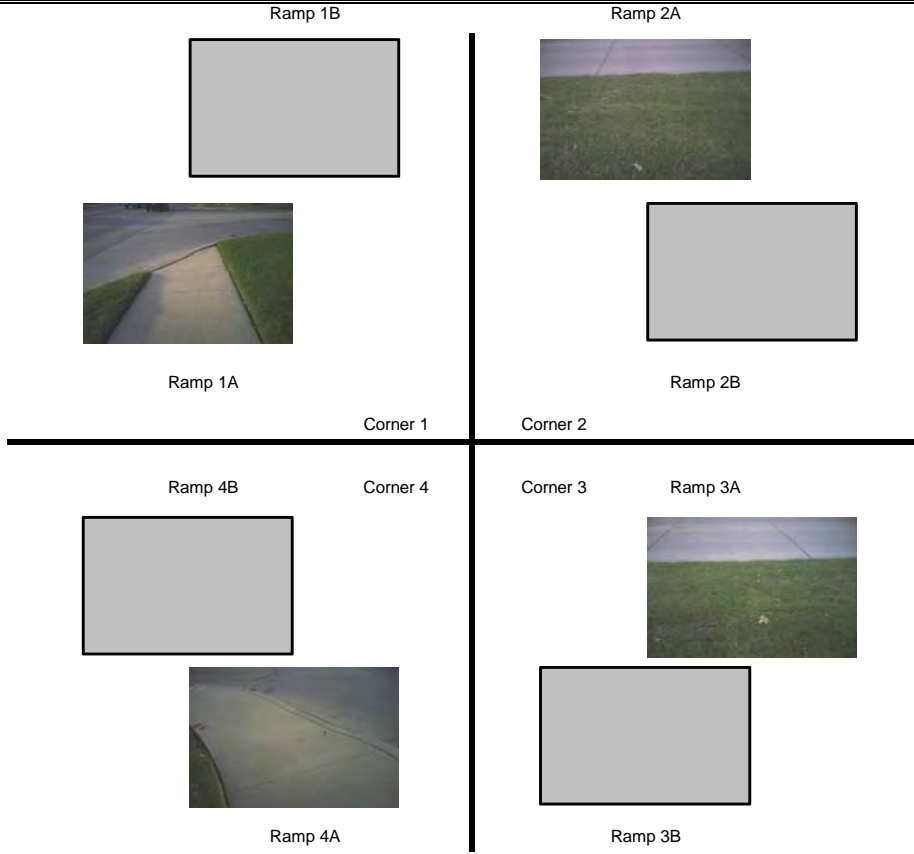
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 49th St

GPS ID: 41023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,191.40
Engineering: (% +/-)	15%	\$ 2,060.83
Contingency: (% +/-)	20%	\$ 2,747.77
Estimated Project Cost:	\$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 46th St

GPS ID: 41026A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	230	LF	\$ 6.50	\$ 1,495.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,155.60
Engineering: (% +/-)	15%	\$ 2,504.74
Contingency: (% +/-)	20%	\$ 3,339.66
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

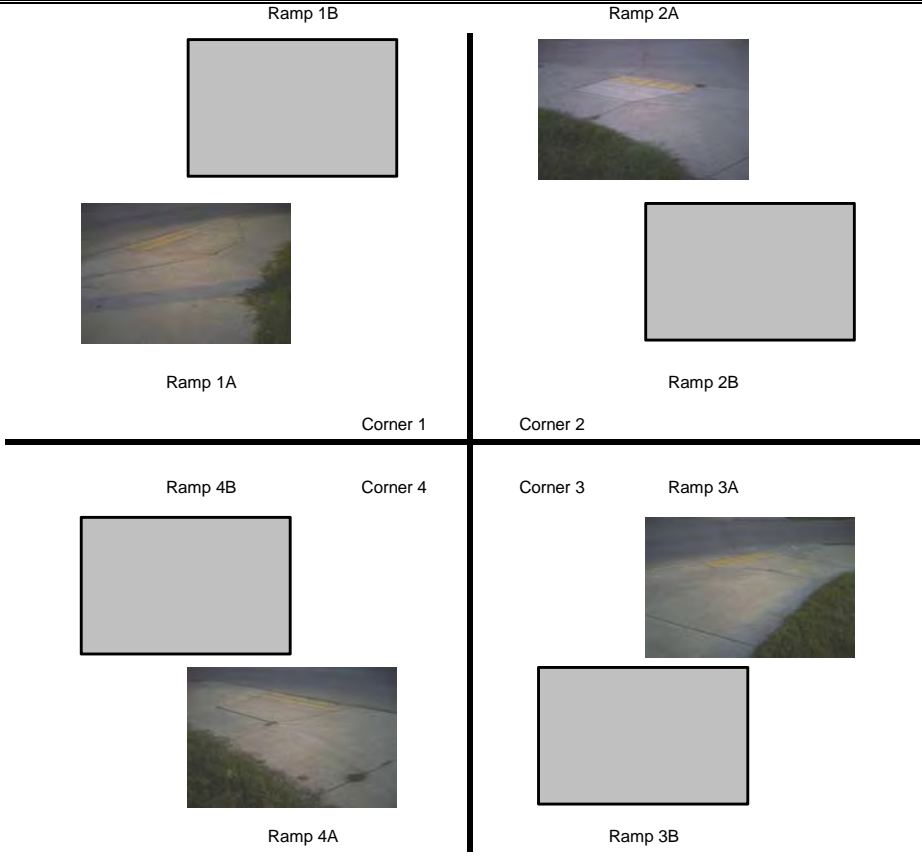
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X		X					X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 45th St and S Yale Ave

GPS ID: 41026B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,939.00
Engineering: (% +/-)	15%	\$ 1,740.43
Contingency: (% +/-)	20%	\$ 2,320.57
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 40th St

GPS ID: 41027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,212.80
Engineering: (% +/-)	15%	\$ 2,051.66
Contingency: (% +/-)	20%	\$ 2,735.54
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

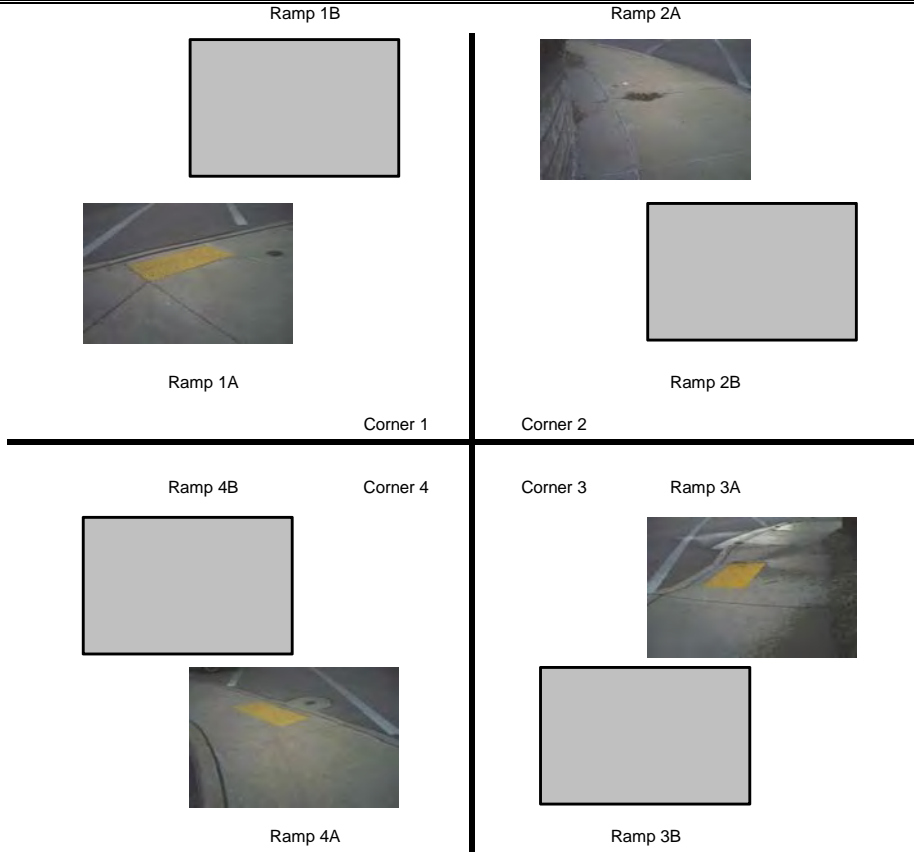
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	Yes	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 38th Pl (west)

GPS ID: 41028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,191.40
Engineering: (% +/-)	15%	\$ 1,203.69
Contingency: (% +/-)	20%	\$ 1,604.91
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

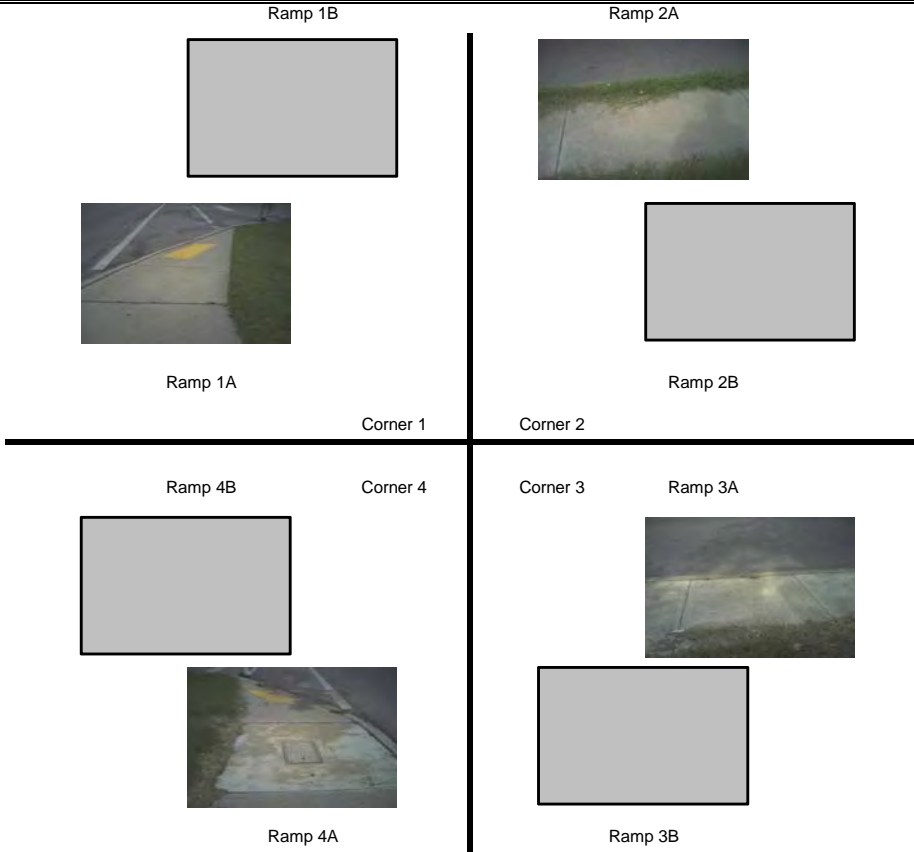
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 38th Pl (east)

GPS ID: 41029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 37th PI (west)

GPS ID: 41030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	9,000.00

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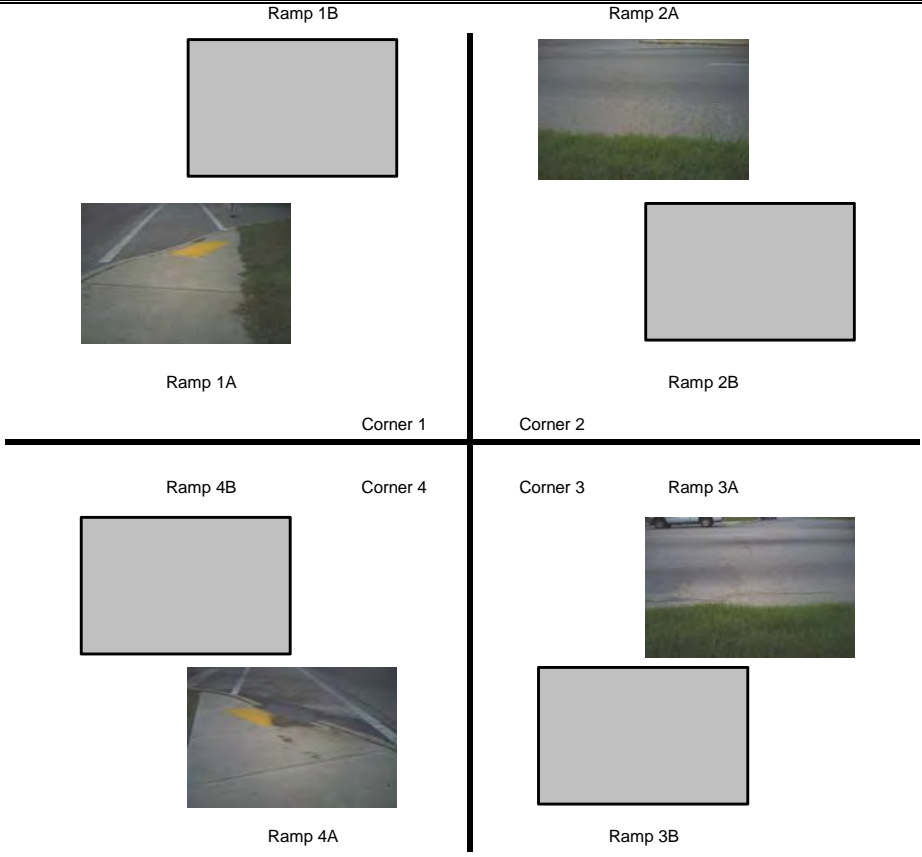
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 37th PI (east)

GPS ID: 41031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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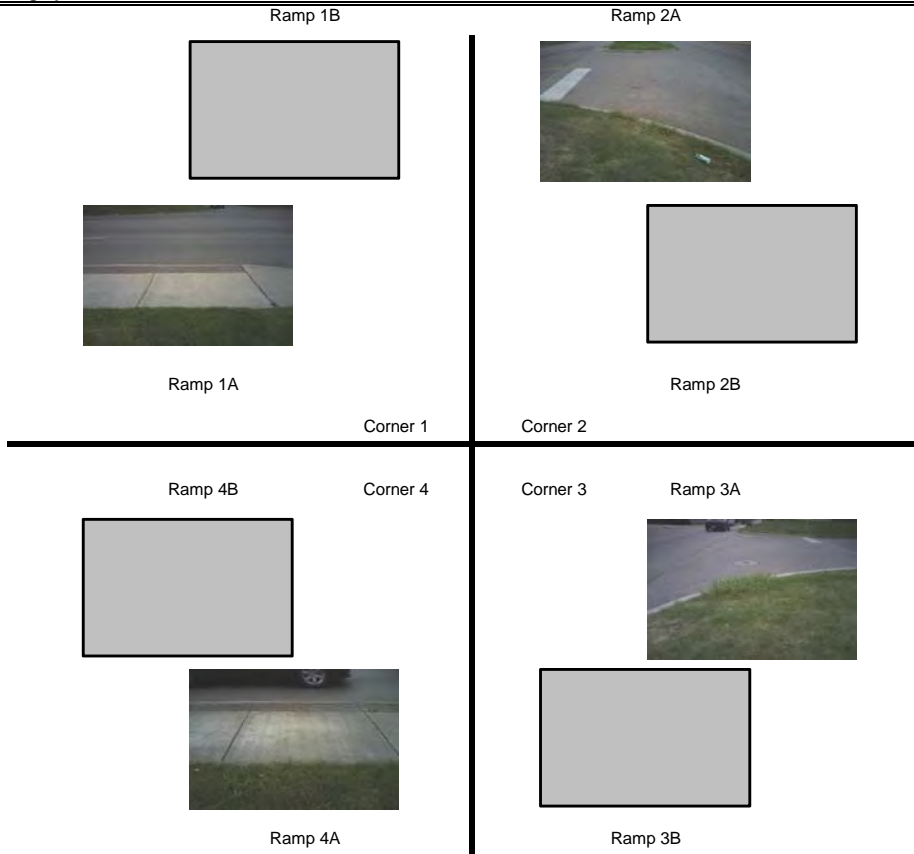
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 37th St

GPS ID: 41032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

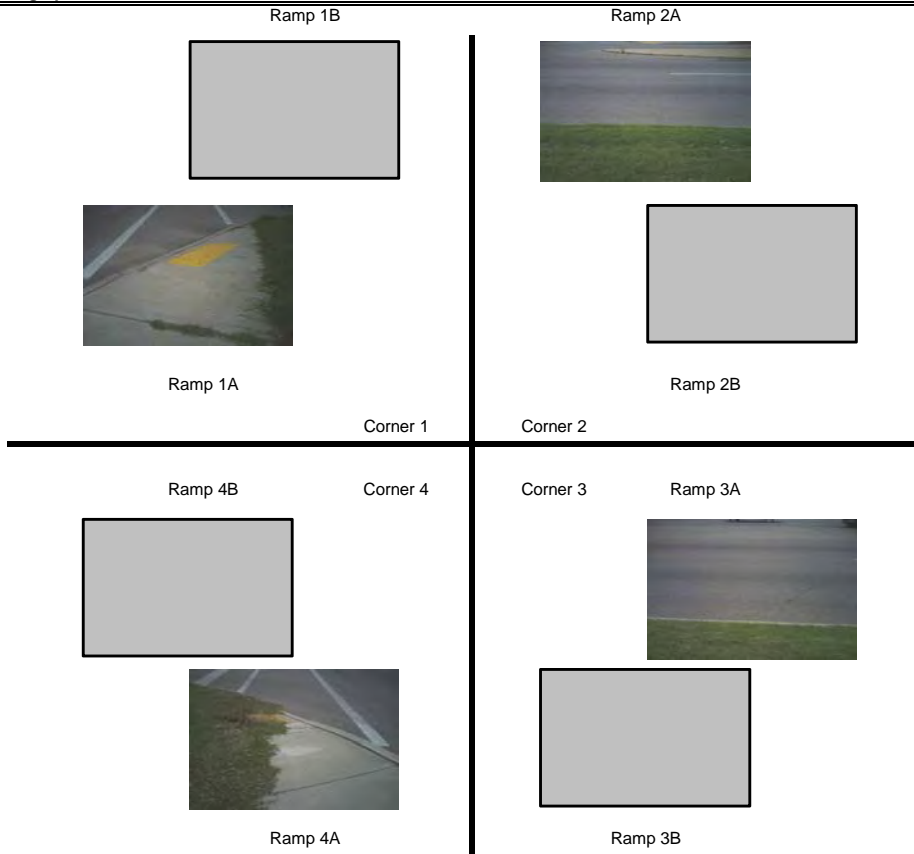
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and S Allegheny Ave

GPS ID: 41033A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,883.00
Engineering: (% +/-)	15%	\$ 1,335.86
Contingency: (% +/-)	20%	\$ 1,781.14
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

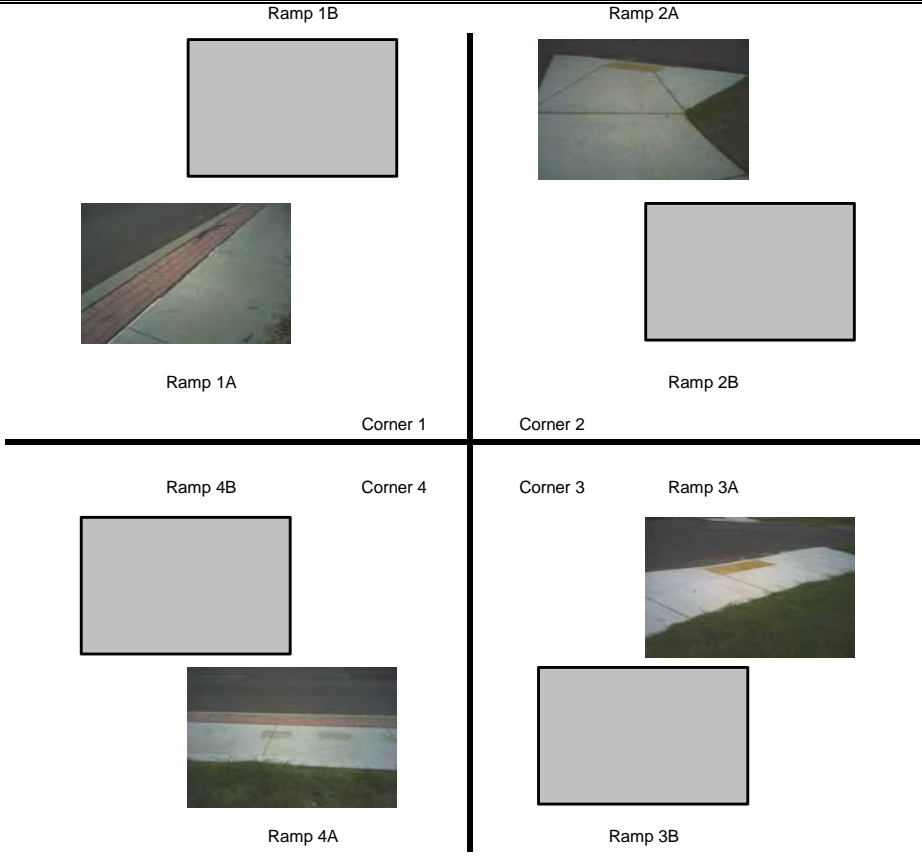
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:			M		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 35th Ct

GPS ID: 41033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

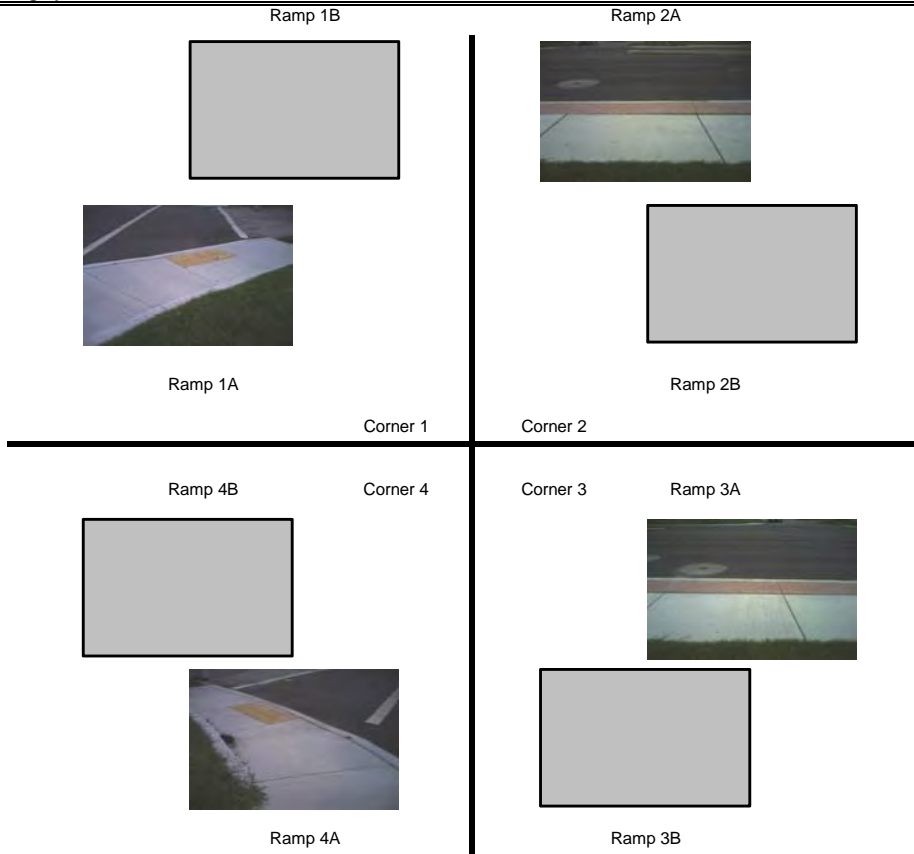
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 35th St

GPS ID: 41034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

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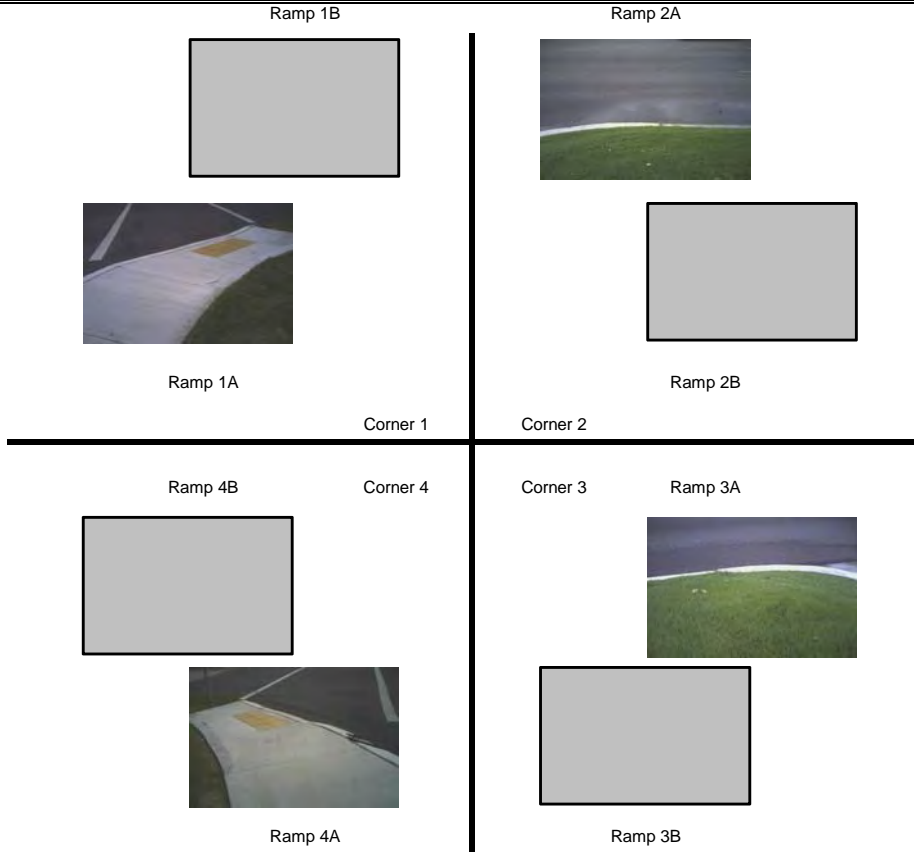
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 34th St

GPS ID: 41035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,061.40
Engineering: (% +/-)	15%	\$ 2,116.54
Contingency: (% +/-)	20%	\$ 2,822.06
Estimated Project Cost:	\$	17,000.00

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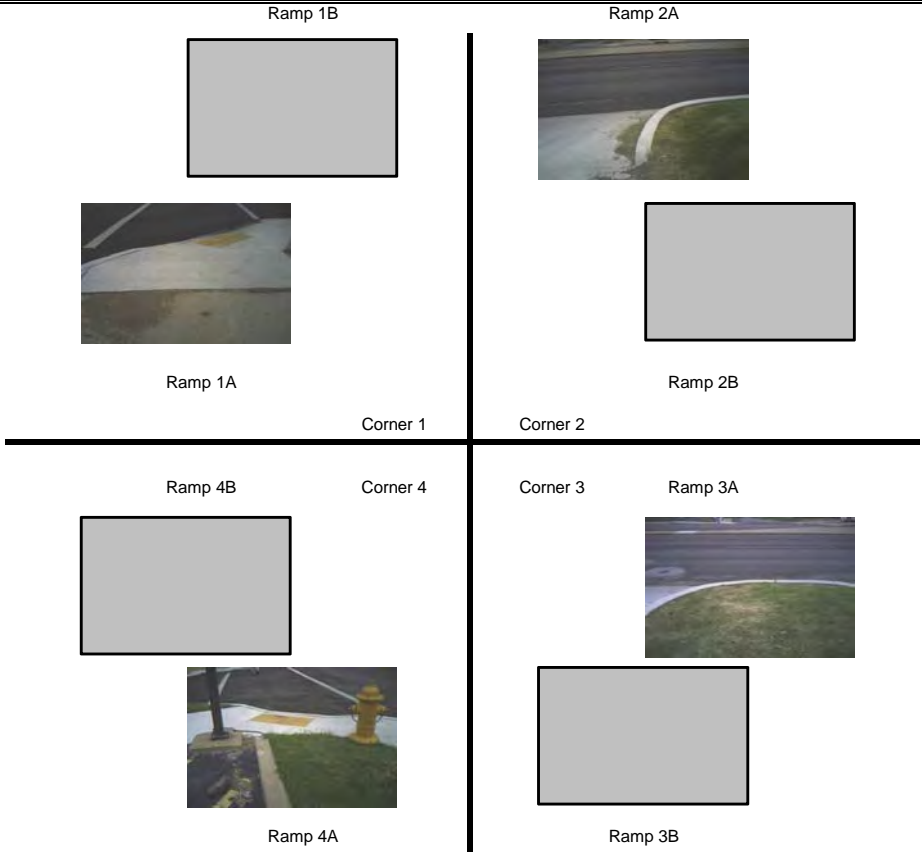
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Yale Ave and E 33rd St (east) GPS ID: 41036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost		Subtotal:	\$	5,712.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 980.57
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,307.43
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

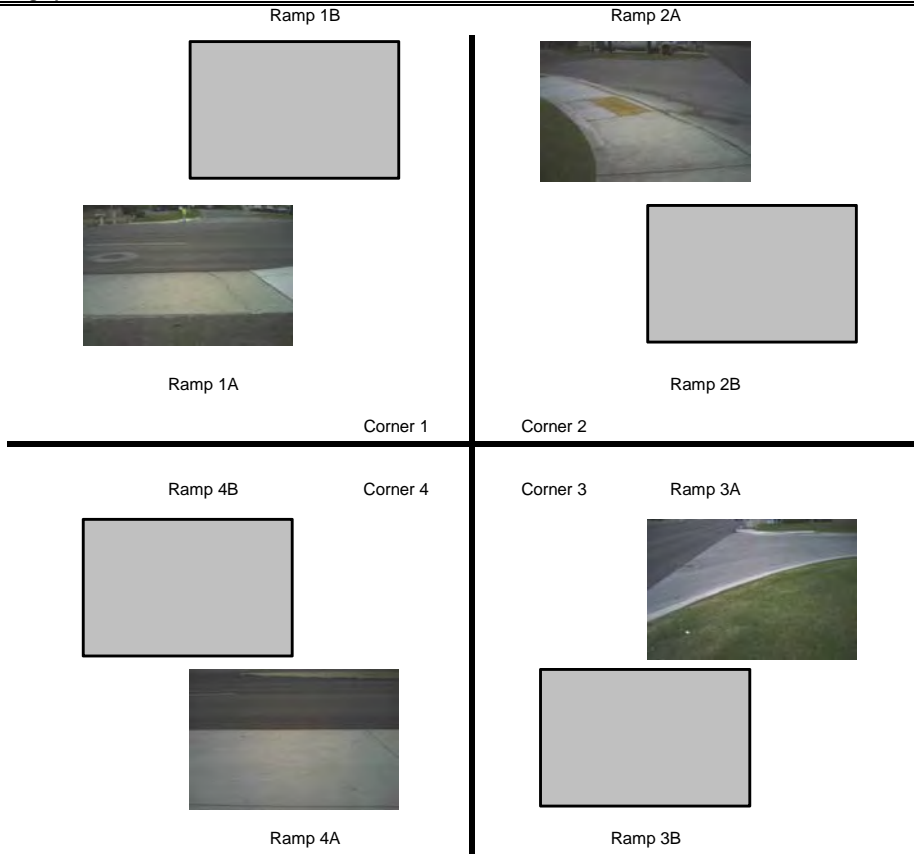
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,061.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,116.54
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,822.06
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,771.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,383.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,845.14
	Estimated Project Cost:	\$ 10,000.00

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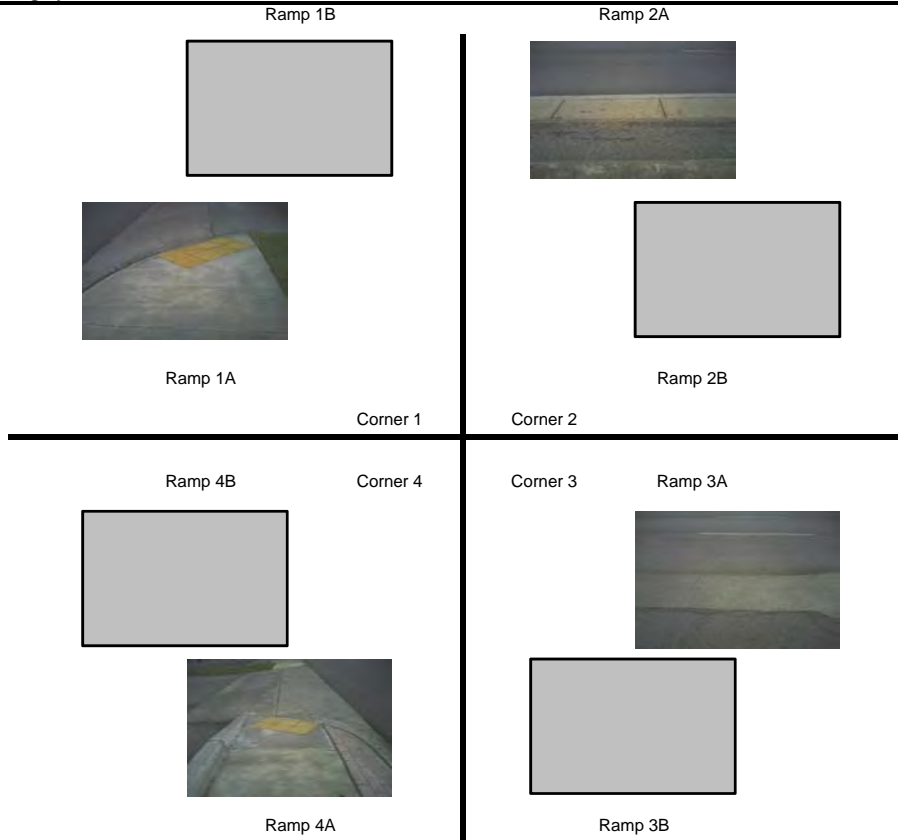
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C		-		-		M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	13,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost: \$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Yes	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,126.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,088.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,784.91
	Estimated Project Cost:	\$ 16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

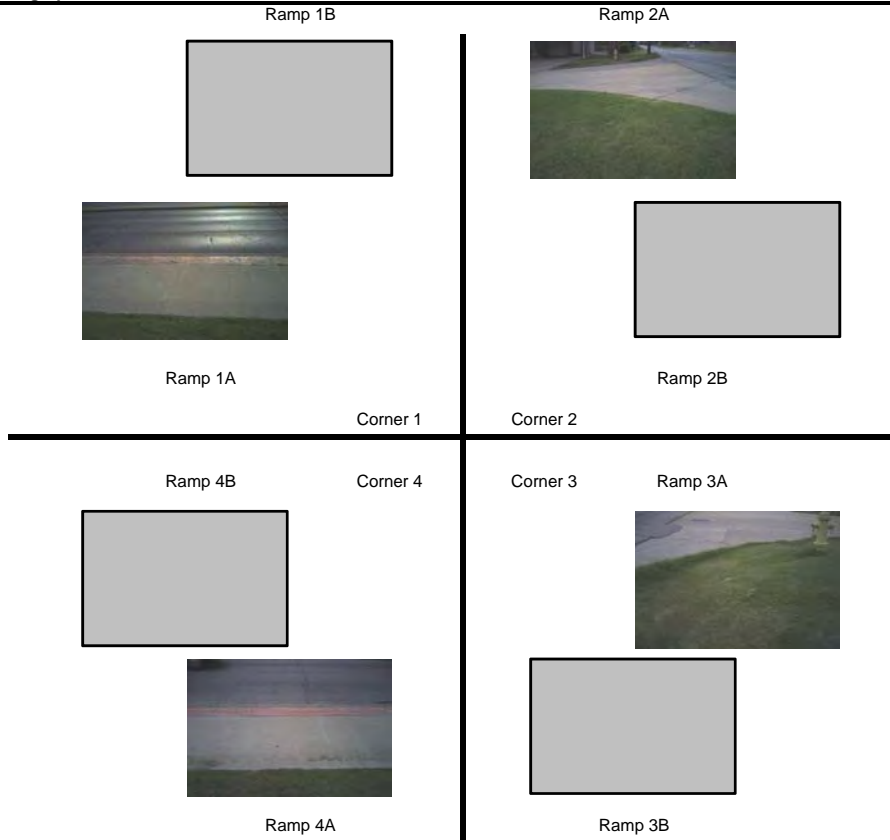
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	22,643.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	3,581.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	4,775.20
	Estimated Project Cost:	\$	31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,743.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,324.91
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	22,946.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	3,451.41
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	4,601.89
	Estimated Project Cost:	\$	31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X			X			X		
Ramp running slope is greater than 8.33%	X			X			X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X			X					
No textured surface at base of ramp	X			X					Install colored truncated domes
No color contrast at base of ramp	X			X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp								X	Regrade roadway
Ramp not needed due to existing geometry							X		Remove ramp
Ramp Priority:	H		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	20,814.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 3,508.03
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 4,677.37
	Estimated Project Cost:	\$	29,000.00

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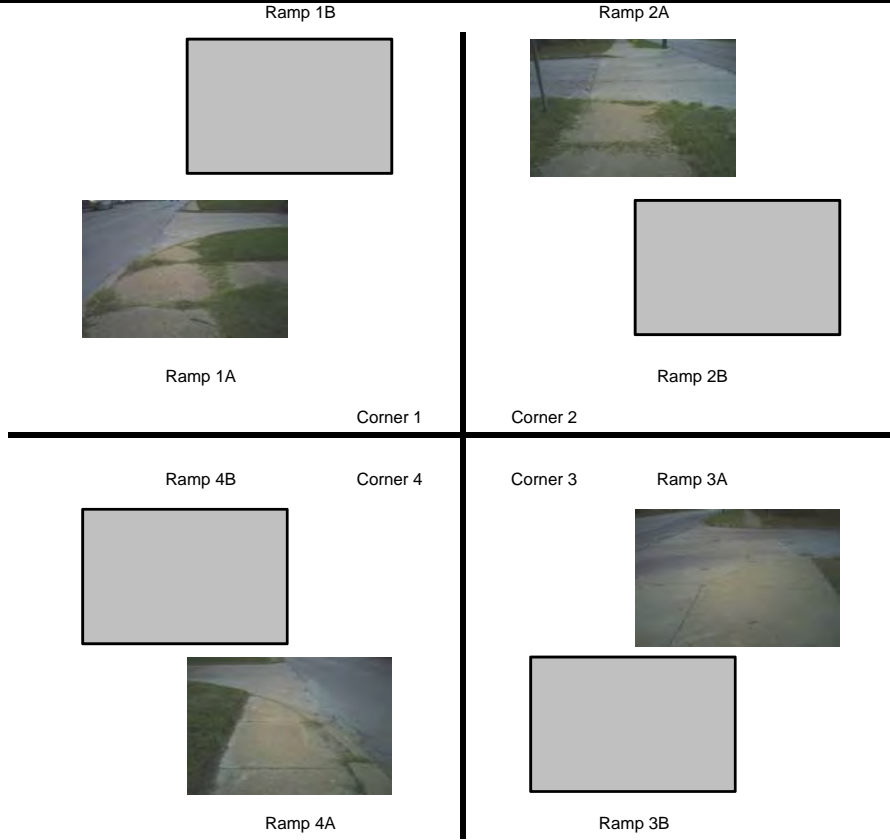
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,825.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,788.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,385.26
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	24,862.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,915.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,221.26
	Estimated Project Cost: \$	34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp	X				X				Install colored truncated domes
No color contrast at base of ramp	X				X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,087.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,819.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,093.14
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%				X	X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X			X	X				Regrade roadway
Ponding occurs at base of ramp				X	X		X		
Ramp not needed due to existing geometry				X			X		Remove ramp
Ramp Priority:	H			H	H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,619.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,591.60
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,788.80
	Estimated Project Cost:	\$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,323.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,575.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,101.03
	Estimated Project Cost:	\$ 13,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		C			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,325.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,146.43
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,528.57
	Estimated Project Cost:	\$ 9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

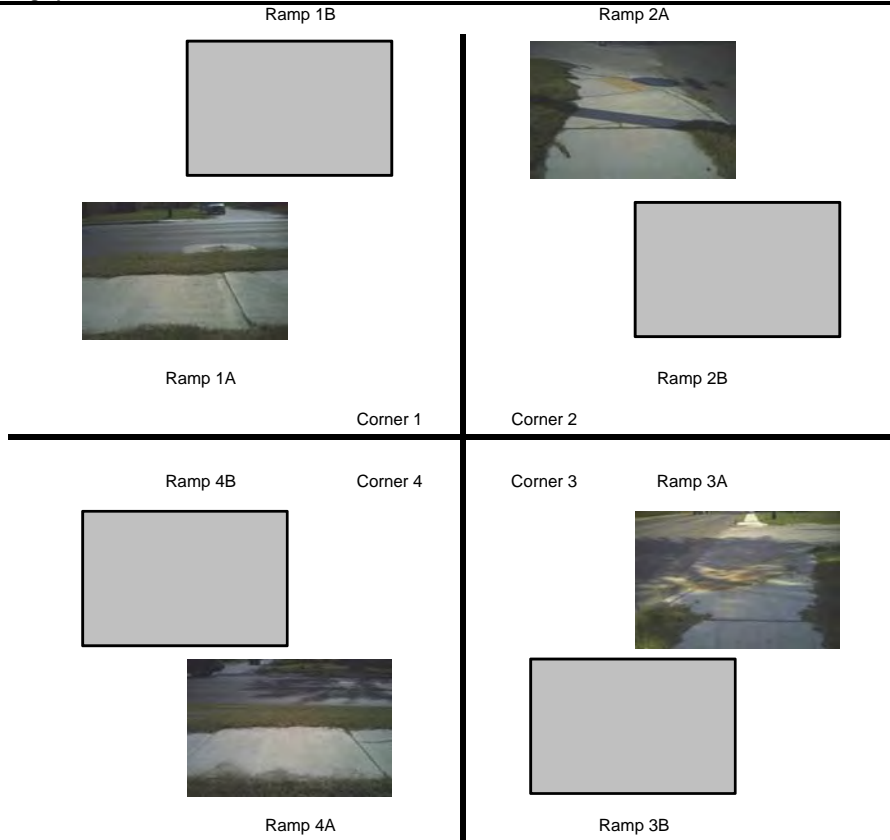
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		C		L			-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 17,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		L		L			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,623.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,018.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,358.17
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp							X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M							L	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,258.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,175.06
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,566.74
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X							X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		-	-				M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	13,507.40
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 2,353.97
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 3,138.63
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		L		C		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 2,827.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 502.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 670.29
	Estimated Project Cost:	\$ 4,000.00

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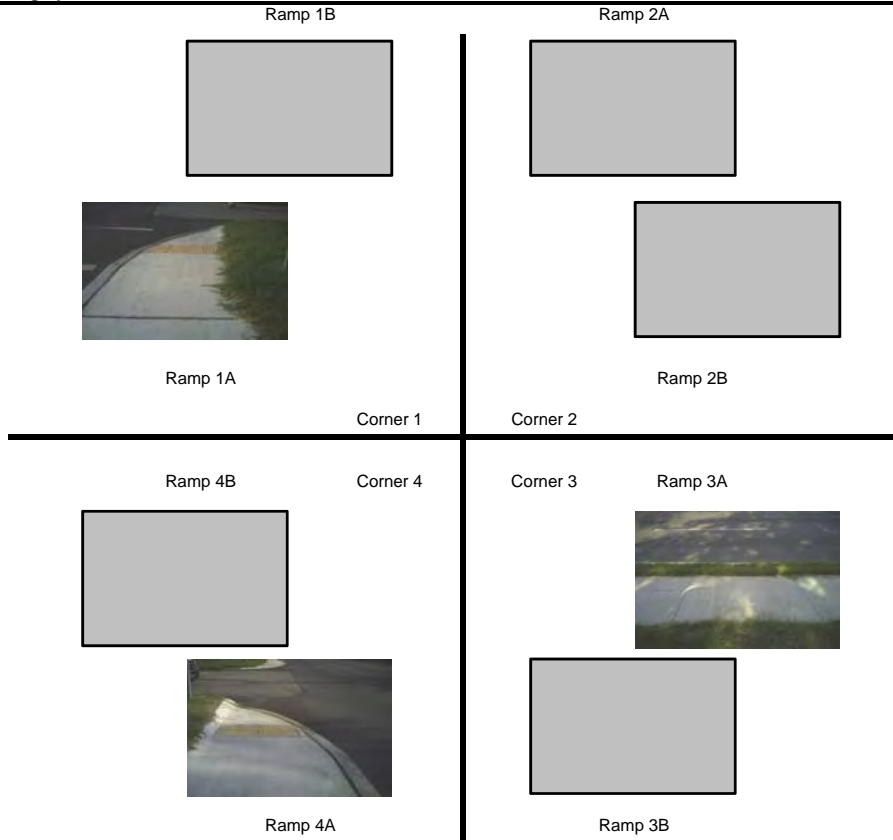
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,256.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,032.97
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,710.63
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry			X				X		Regrade roadway
Ramp Priority:	H		L		L		L		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	52.81	SY	\$ 10.00	\$ 528.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	52.81	SY	\$ 80.00	\$ 4,224.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,401.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,970.91
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,627.89
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,697.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,272.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,030.29
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		L		C		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,325.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,146.43
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,528.57
	Estimated Project Cost:	\$ 10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		-	-			L		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,060.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,688.27
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,251.03
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry				X					Remove ramp
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 28,274.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,596.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,129.03
	Estimated Project Cost:	\$ 39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID							Recommendations	
	1A	1B	2A	2C	2D	3A	3C		3D
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X	X	
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X	X				
No textured surface at base of ramp			X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp			X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X	X				
Ponding occurs at base of ramp			X	X	X	X	X	X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:			H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 3C



Ramp 4A



Ramp 3B



Ramp 3D

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	6	LS	\$ 1,000.00	\$ 6,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,339.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,711.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,949.03
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	3A	3B	4A	4C	4D	
Ramp does not land in crosswalk			X	X					
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X			X	X	X	
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X			X		X	
No textured surface at base of ramp	X	X	X			X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X			X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X			X		X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X			X		X	Regrade roadway
Ponding occurs at base of ramp	X	X	X			X	X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	-		H	H	H	

Ramp 1B



Ramp 1D



Ramp 2A



Ramp 1A



Ramp 1C



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Ramp 4D



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 4C



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Union Ave and W 63rd St

GPS ID: 42000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

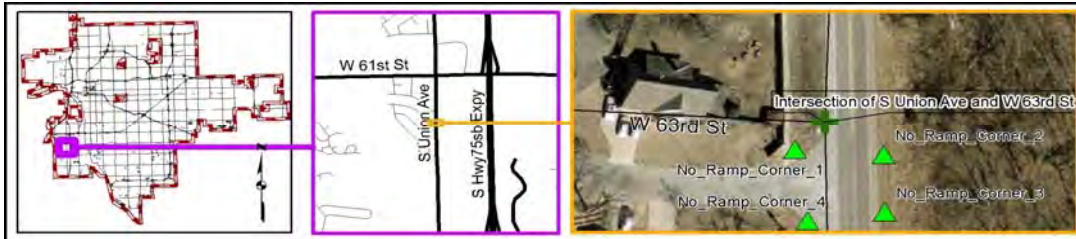
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

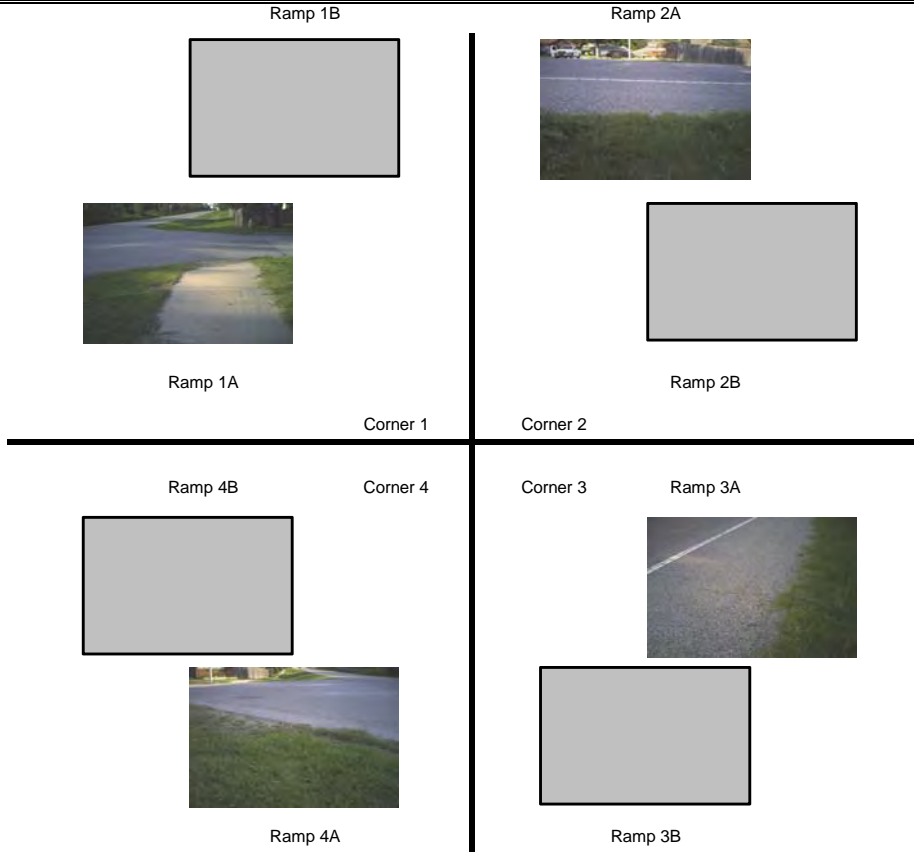
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Union Ave and W 62nd St

GPS ID: 42001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

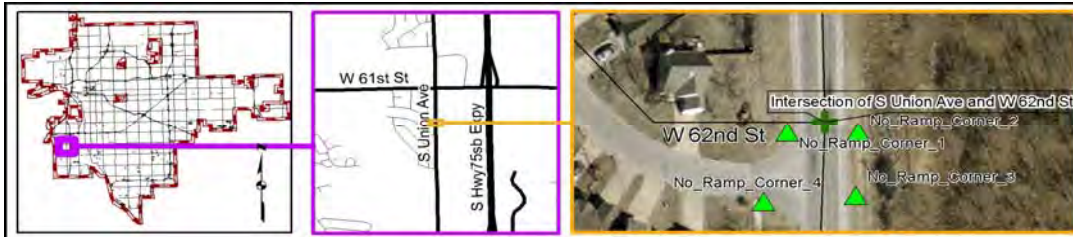
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

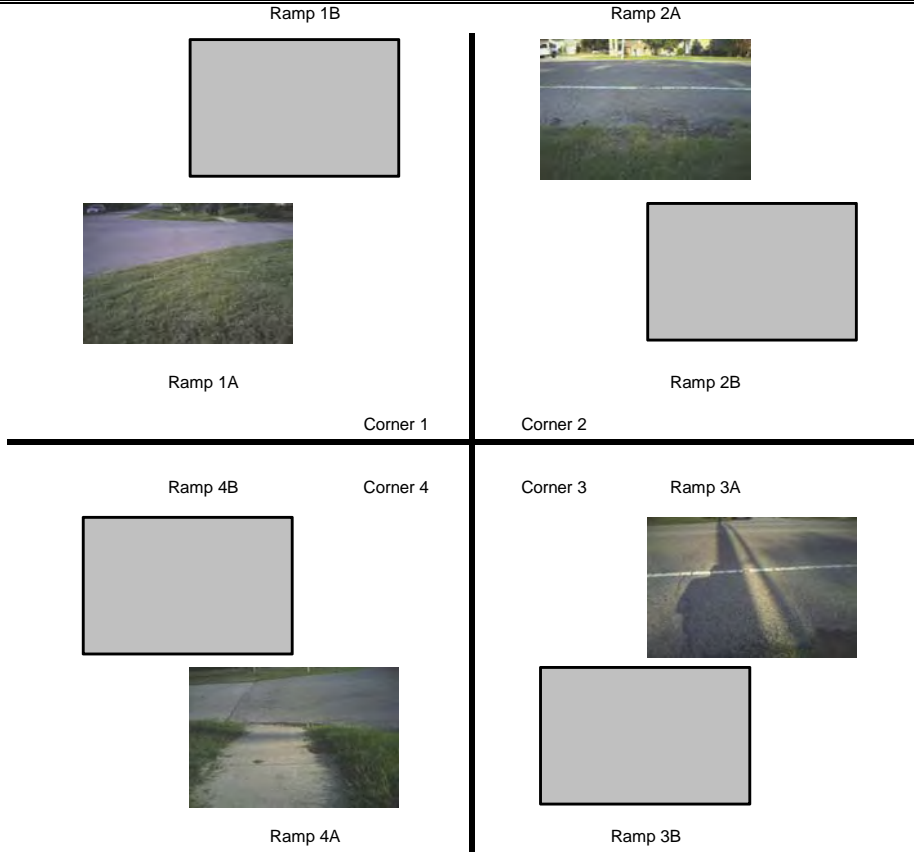
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Union Ave and W 49th St

GPS ID: 42003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

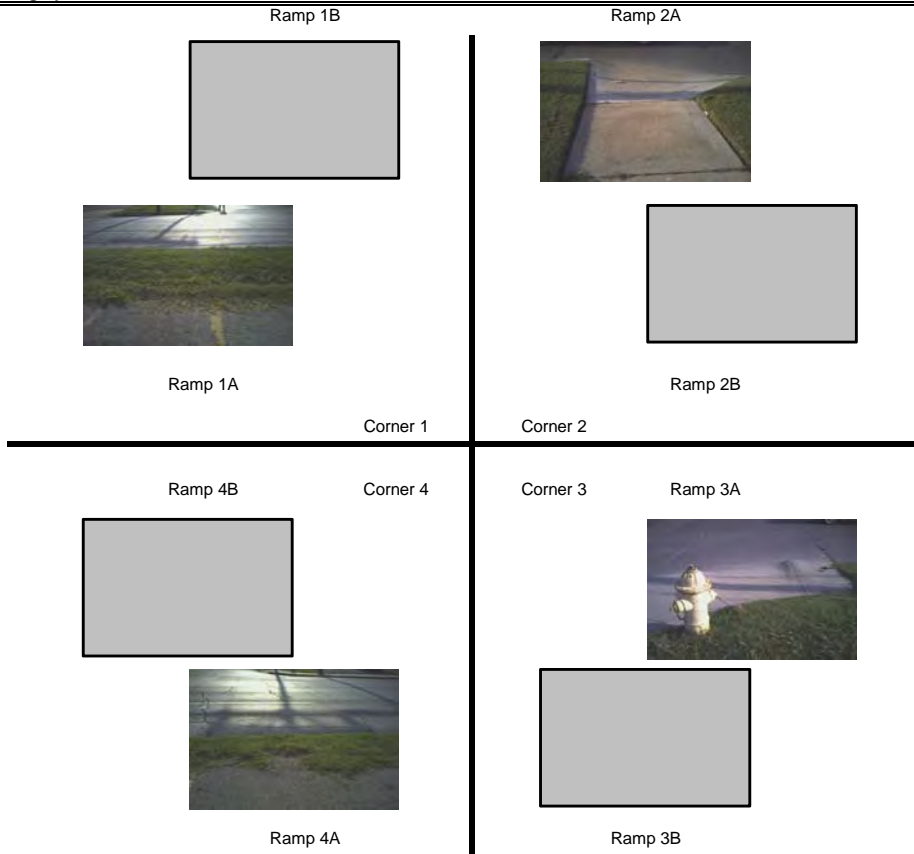
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X		X				
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 51st St N

GPS ID: 43000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

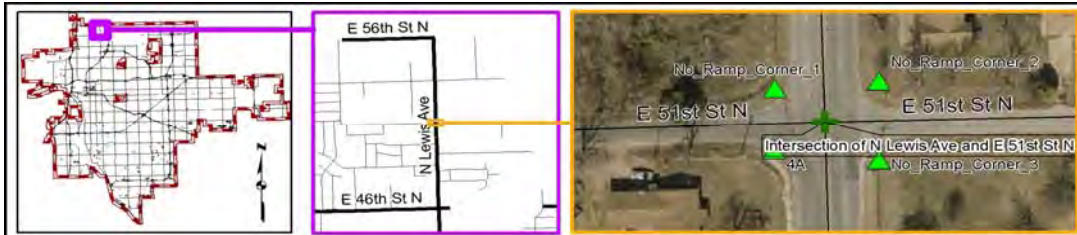
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 50th St N and N Lewis Ave

GPS ID: 43001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

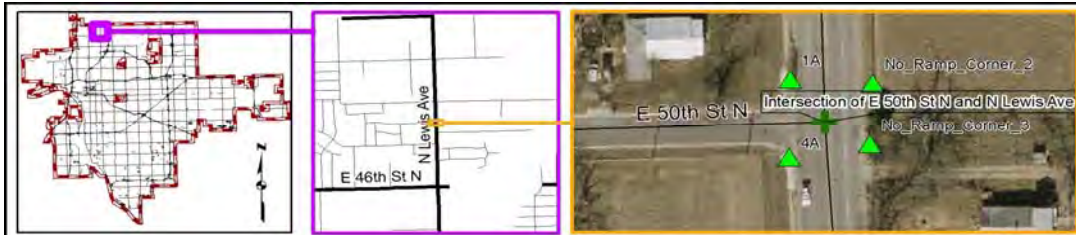
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

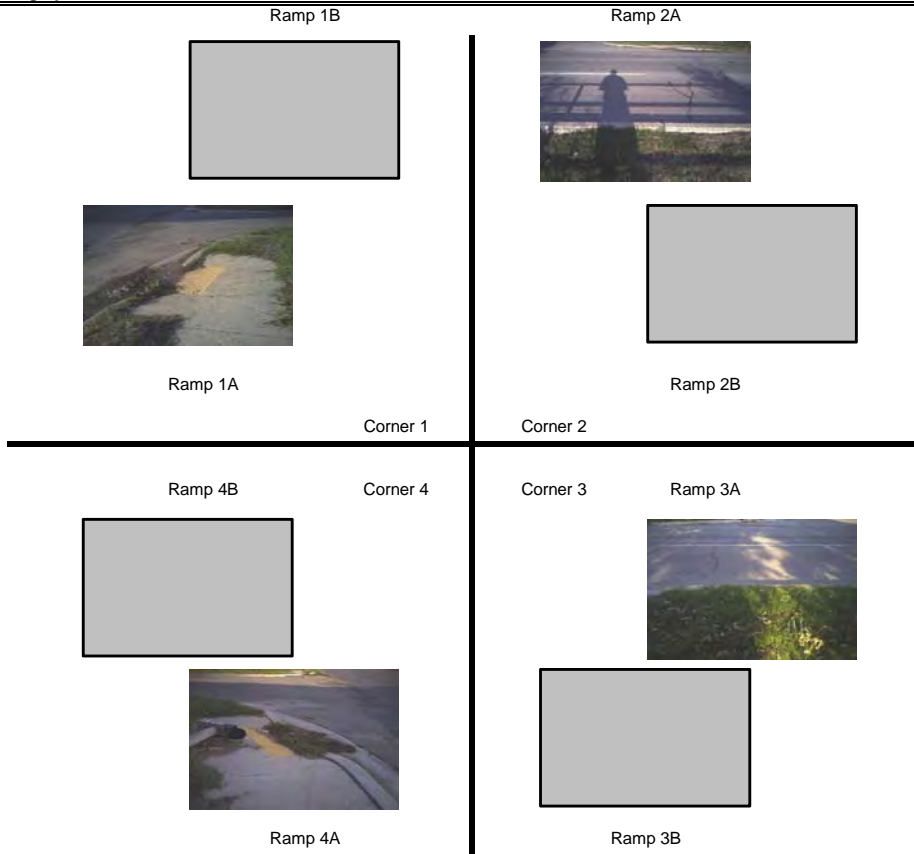
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X						X		
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 49th St N

GPS ID: 43002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 48th St N and N Lewis Ave

GPS ID: 43003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,665.20
Engineering: (% +/-)	15%	\$ 1,857.77
Contingency: (% +/-)	20%	\$ 2,477.03
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

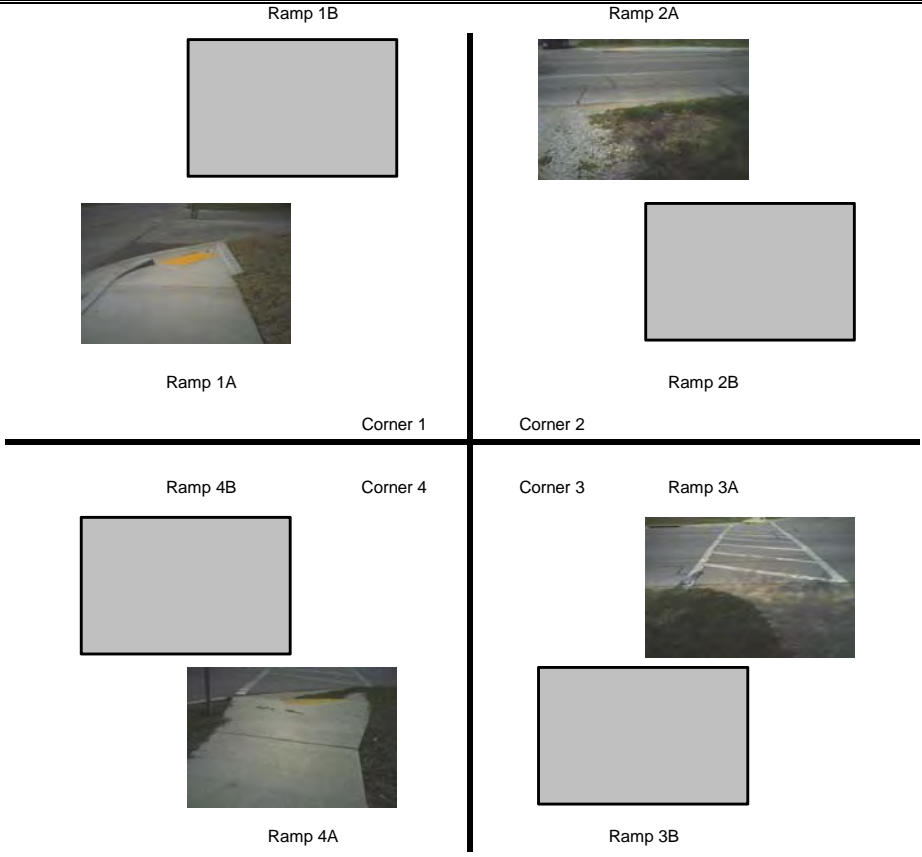
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	Worn	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%	X					X			
Ramp cross slope is greater than 2%	X					X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X					X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"						X			Regrade roadway
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	H				H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 47th PI N

GPS ID: 43004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Mohawk Blvd and N Lewis Ave
 GPS ID: 43005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,076.70
Engineering: (% +/-)	15%	\$ 2,538.56
Contingency: (% +/-)	20%	\$ 3,384.74
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X		X					X	
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X					X	Install colored truncated domes
No color contrast at base of ramp	X		X					X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X					X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X					X	Regrade roadway
Ponding occurs at base of ramp			X					X	
Ramp not needed due to existing geometry			X					X	Remove ramp
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 32nd St N and N Lewis Ave

GPS ID: 43006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,171.80
Engineering: (% +/-)	15%	\$ 3,354.94
Contingency: (% +/-)	20%	\$ 4,473.26
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

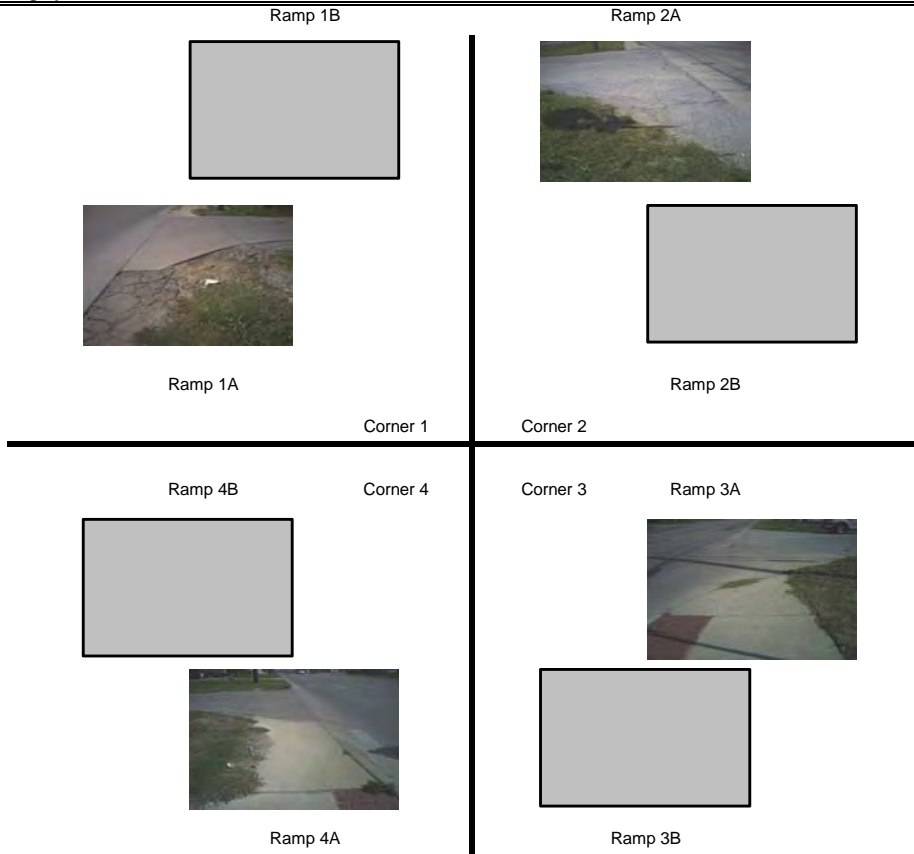
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X			Install colored truncated domes
No color contrast at base of ramp					X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X	X			Regrade roadway
Ponding occurs at base of ramp					X	X			
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and Gilcrease Expy WB Ramp

GPS ID: 43007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,256.40
Engineering: (% +/-)	15%	\$ 2,032.97
Contingency: (% +/-)	20%	\$ 2,710.63
Estimated Project Cost:	\$	17,000.00

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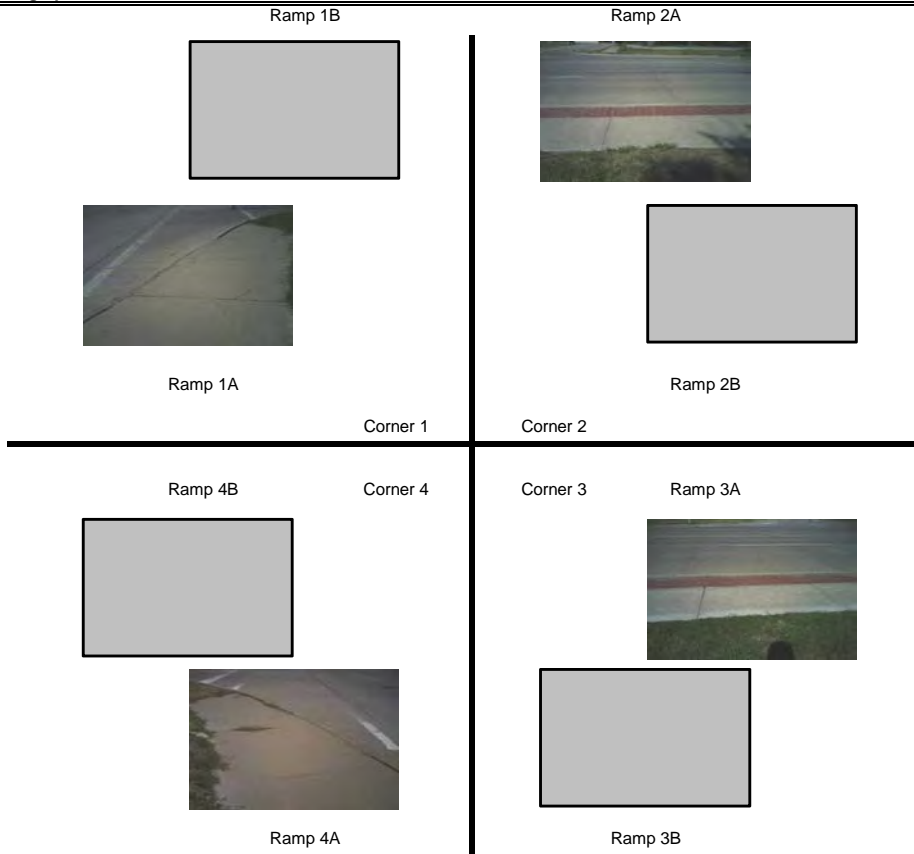
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	
No color contrast at base of ramp	X							X	Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 30th St N

GPS ID: 43008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	200	LF	\$ 6.50	\$ 1,300.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,512.80
Engineering: (% +/-)	15%	\$ 3,637.37
Contingency: (% +/-)	20%	\$ 4,849.83
Estimated Project Cost:	\$	30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Worn	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X				X				
Ramp cross slope is greater than 2%			X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X		X		X		Install colored truncated domes
No color contrast at base of ramp			X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 30th PI N

GPS ID: 43008A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Worn	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 29th PI N and N Lewis Ave

GPS ID: 43009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,057.80
Engineering: (% +/-)	15%	\$ 4,260.94
Contingency: (% +/-)	20%	\$ 5,681.26
Estimated Project Cost:	\$	36,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

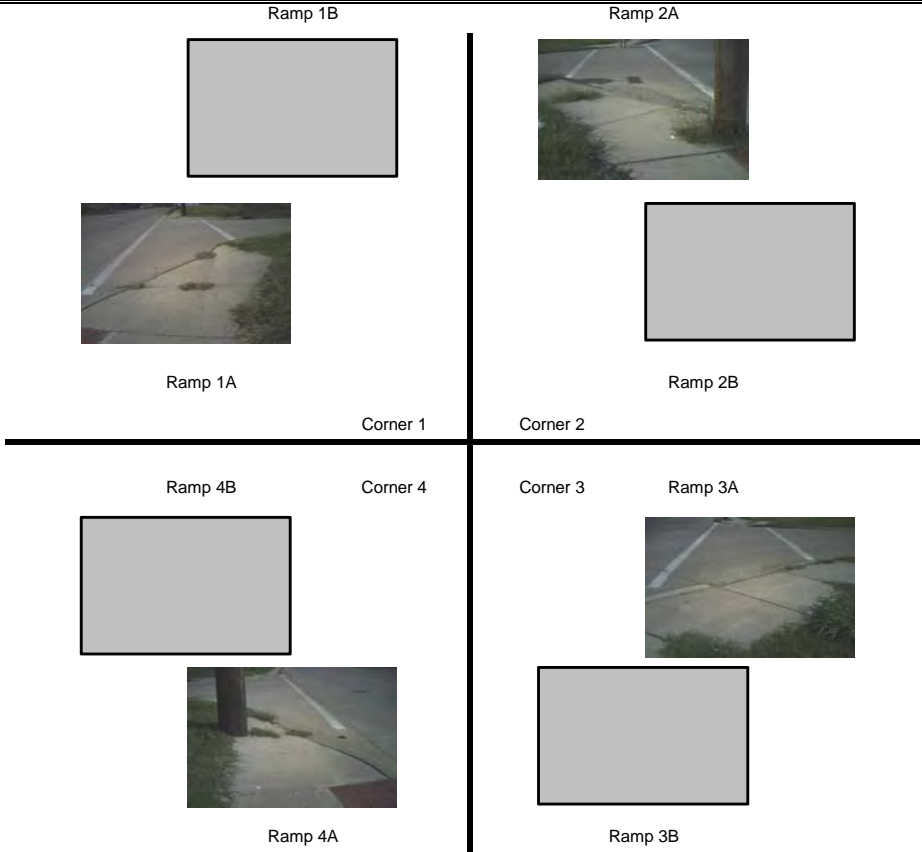
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	Repace roadway and install crosswalk pavement markings
Crosswalk striping	N/A	Worn	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X	X	X	X	X	X	X	X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X	X	X	X	X	Regrade roadway
Ponding occurs at base of ramp	X	X	X	X	X	X	X	X	
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 29th St N and N Lewis Ave

GPS ID: 43010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,095.20
Engineering: (% +/-)	15%	\$ 3,387.77
Contingency: (% +/-)	20%	\$ 4,517.03
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 28th St N

GPS ID: 43011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

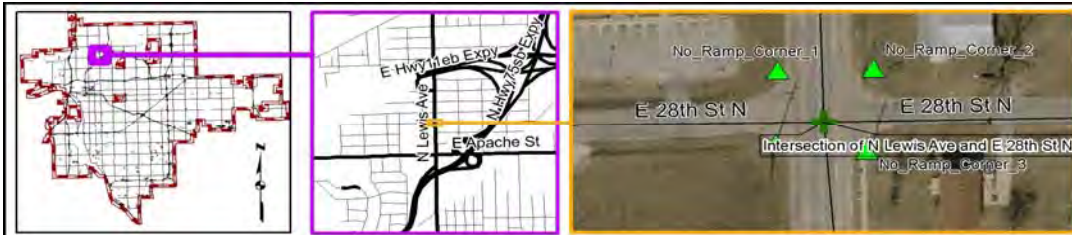
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,595.20
Engineering: (% +/-)	15%	\$ 3,173.49
Contingency: (% +/-)	20%	\$ 4,231.31
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

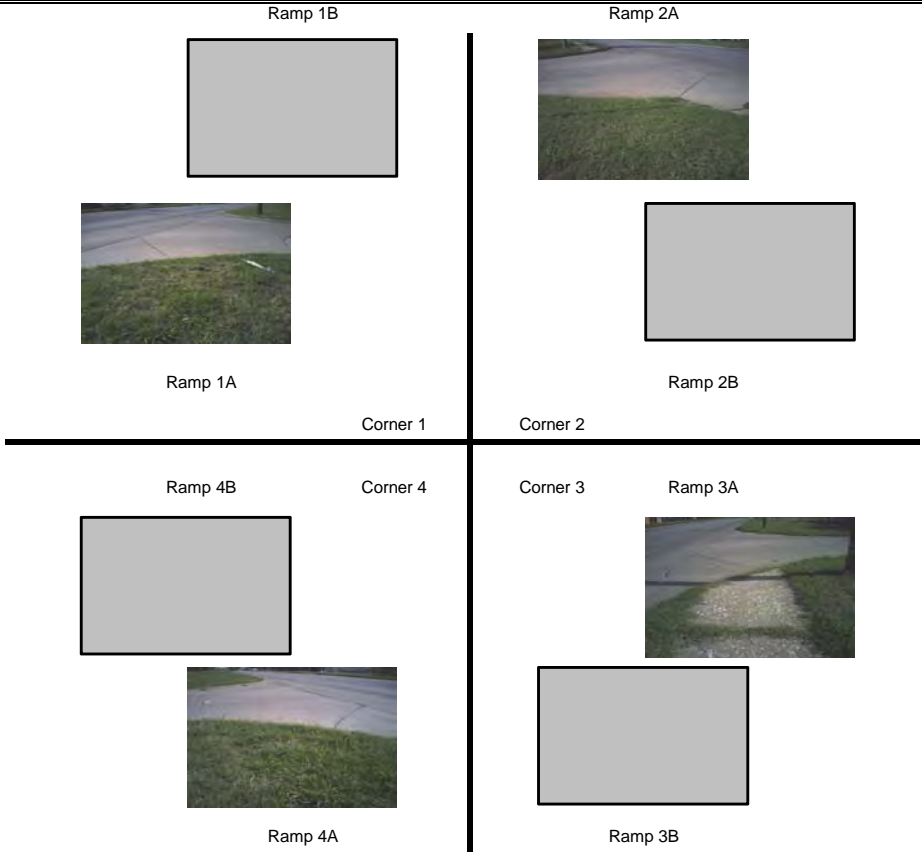
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 27th St N

GPS ID: 43012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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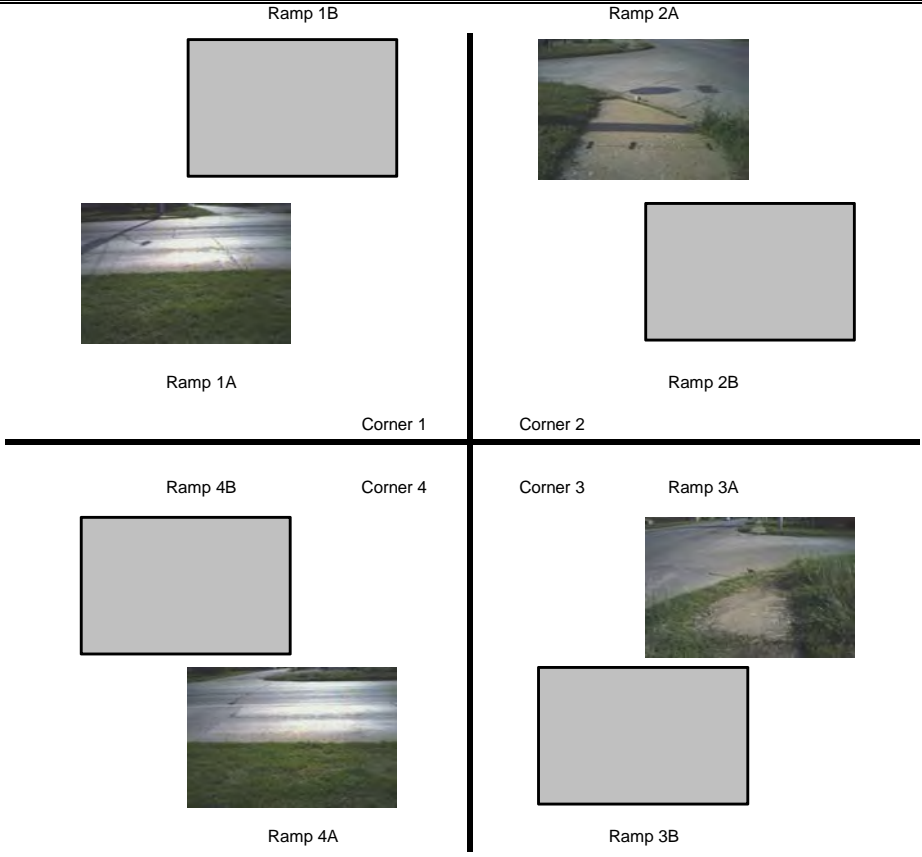
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E 26th PI N

GPS ID: 43013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2:	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

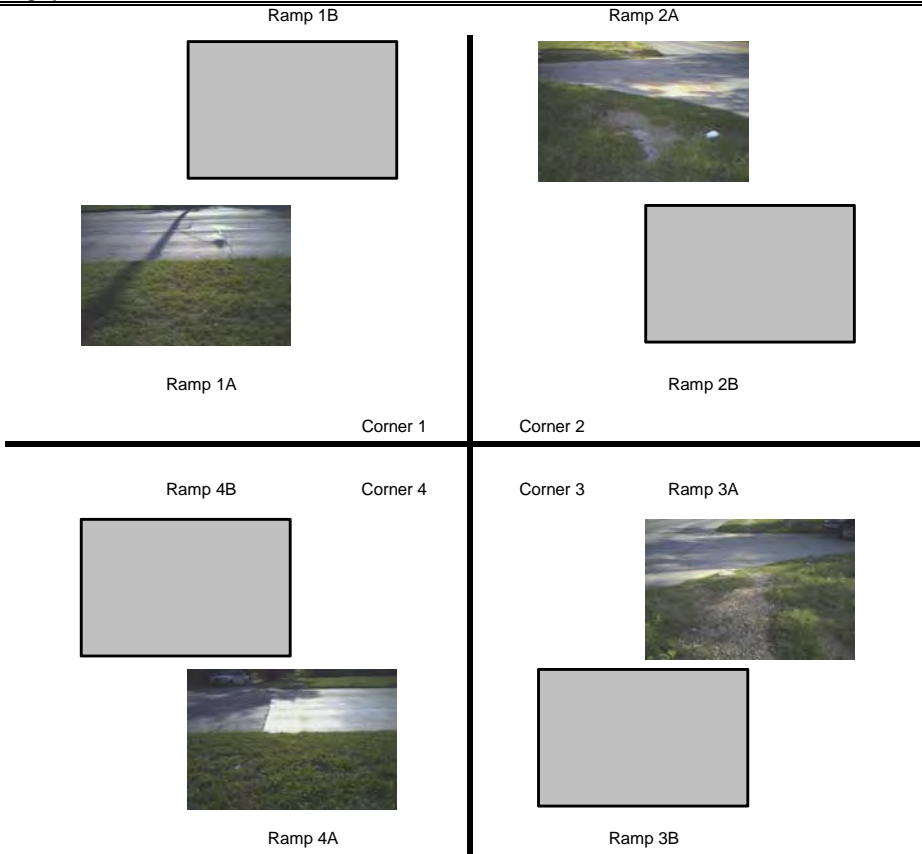
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Woodrow St

GPS ID: 43014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

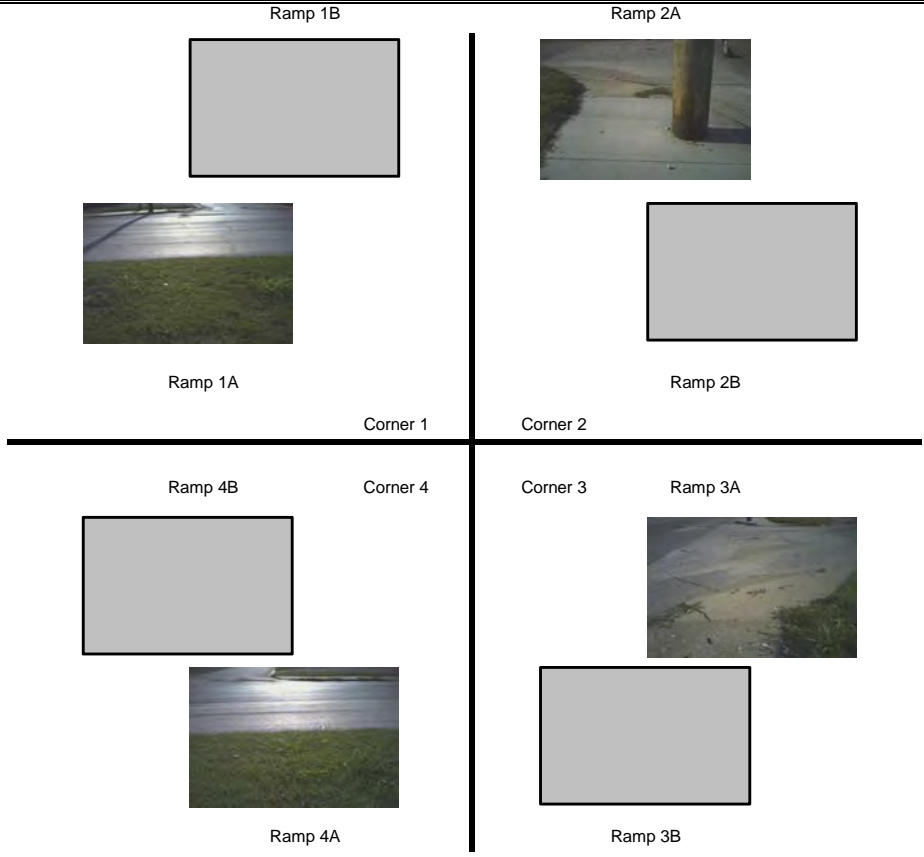
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Virgin St

GPS ID: 43015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

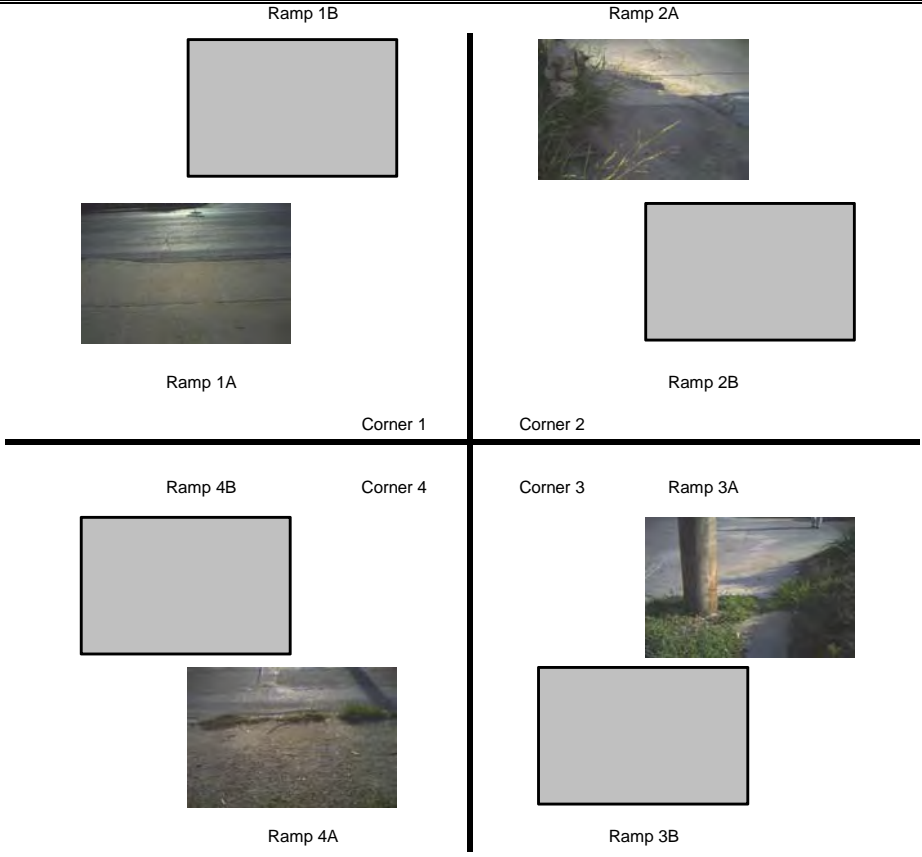
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:			H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Ute St and N Lewis Ave

GPS ID: 43016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,057.80
Engineering: (% +/-)	15%	\$ 3,832.37
Contingency: (% +/-)	20%	\$ 5,109.83
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Seminole St

GPS ID: 43017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,517.00
Engineering: (% +/-)	15%	\$ 1,921.29
Contingency: (% +/-)	20%	\$ 2,561.71
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

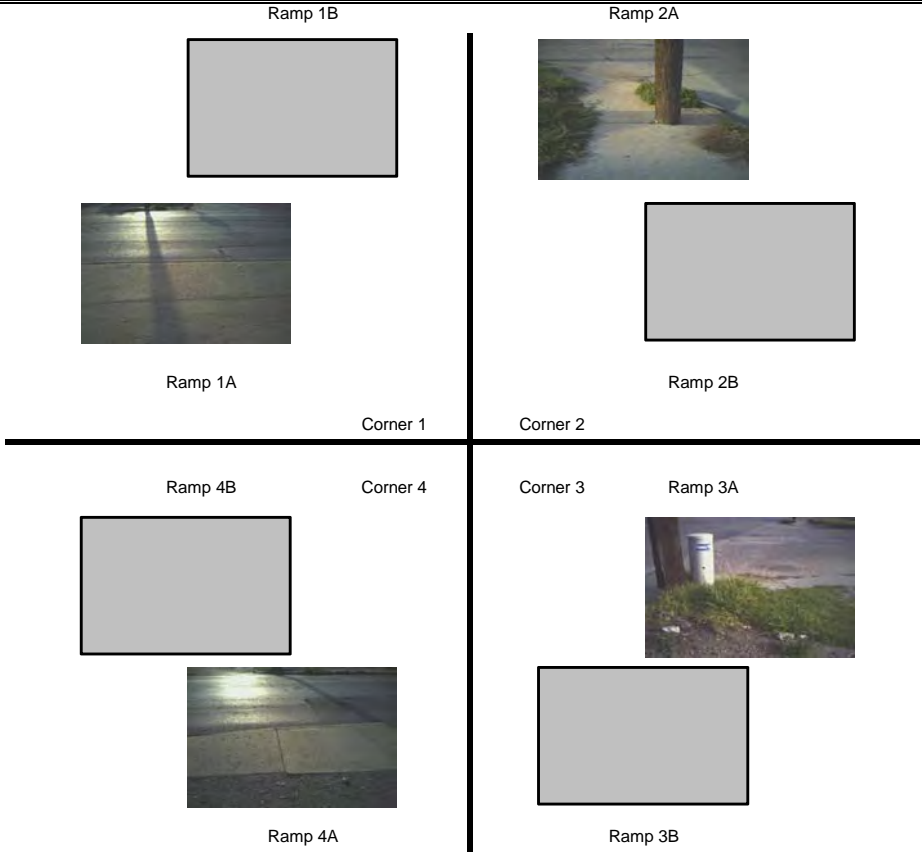
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk					X				
Ramp does not exist and is needed					X				Remove and replace ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area			X						Install landing area
No textured surface at base of ramp			X						
No color contrast at base of ramp			X						Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						
No pedestrian push buttons									Regrade roadway
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									Regrade roadway
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry			X						
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Tecumseh St

GPS ID: 43017A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2:	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3:	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	26,057.80
Engineering: (% +/-)	15%	\$ 4,260.94
Contingency: (% +/-)	20%	\$ 5,681.26
Estimated Project Cost:	\$	36,000.00

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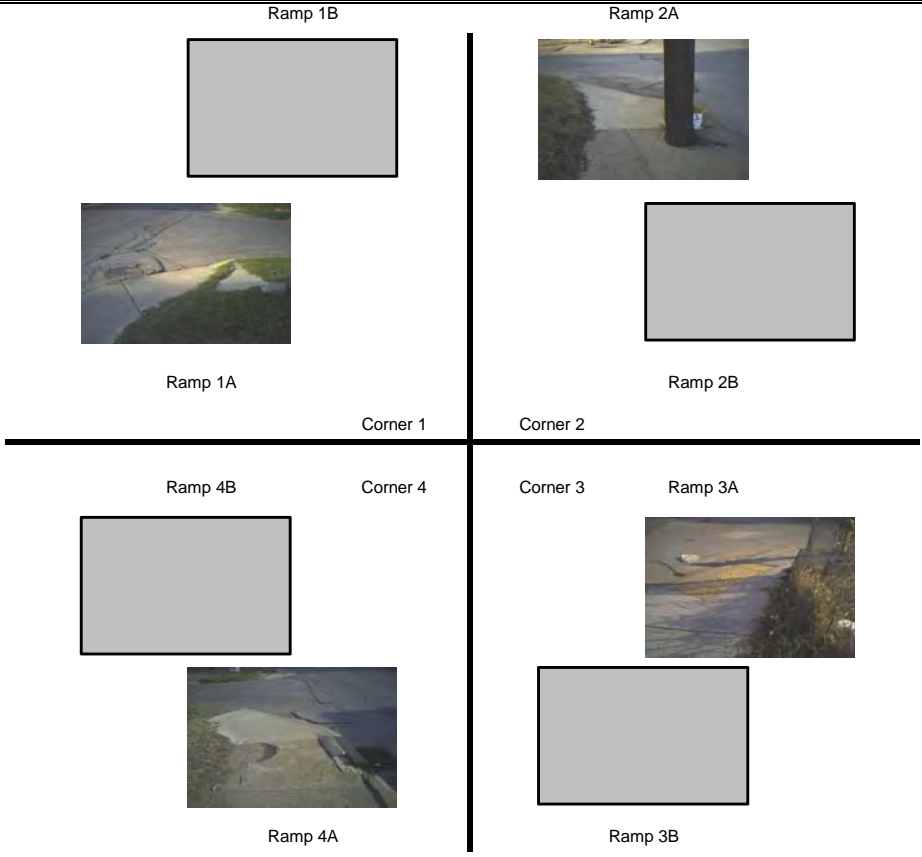
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area	X		X		X		X		
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp	X		X		X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Reading St (west)

GPS ID: 43018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	17,000.00

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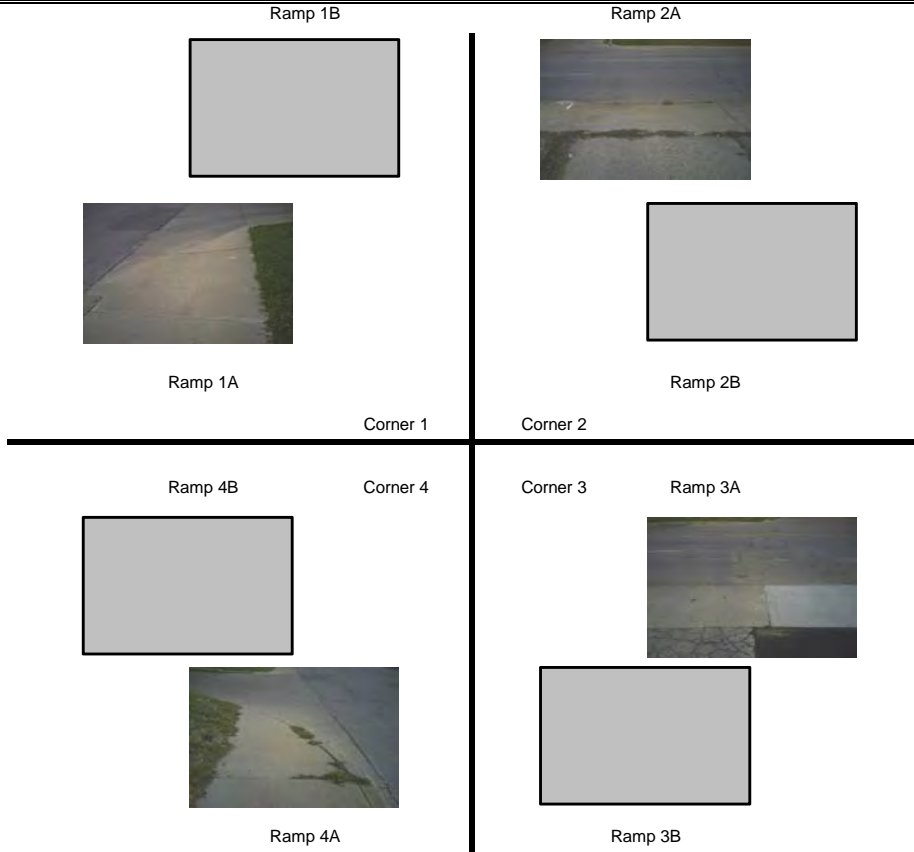
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								Remove and replace ramp
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								
No color contrast at base of ramp	X								Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Reading St (east)

GPS ID: 43019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

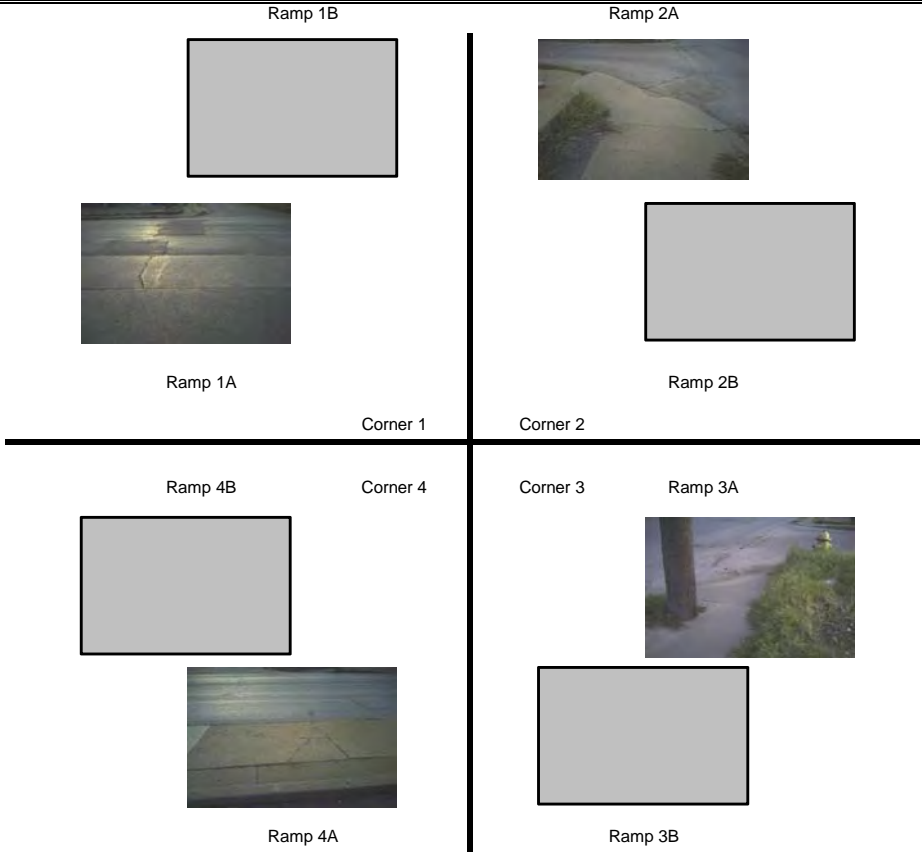
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Queen St

GPS ID: 43020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

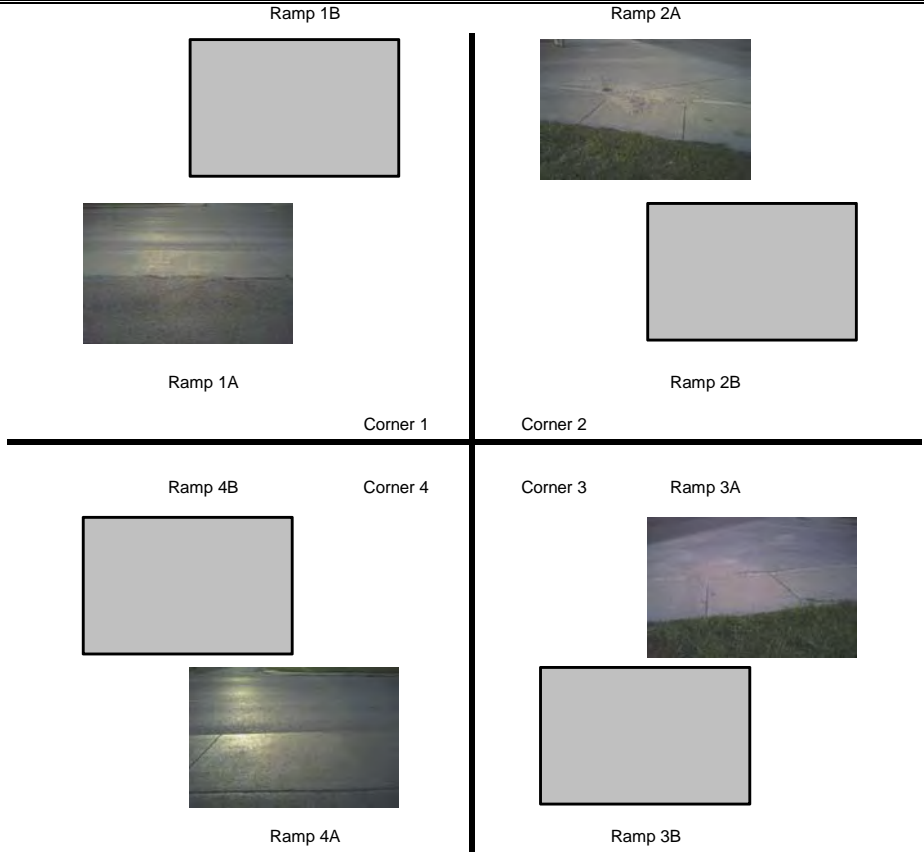
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%				X	X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X	X				Regrade roadway
Ponding occurs at base of ramp				X	X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Oklahoma St

GPS ID: 43021A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 40.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,704.20
Engineering: (% +/-)	15%	\$ 2,269.63
Contingency: (% +/-)	20%	\$ 3,026.17
Estimated Project Cost:	\$	19,000.00

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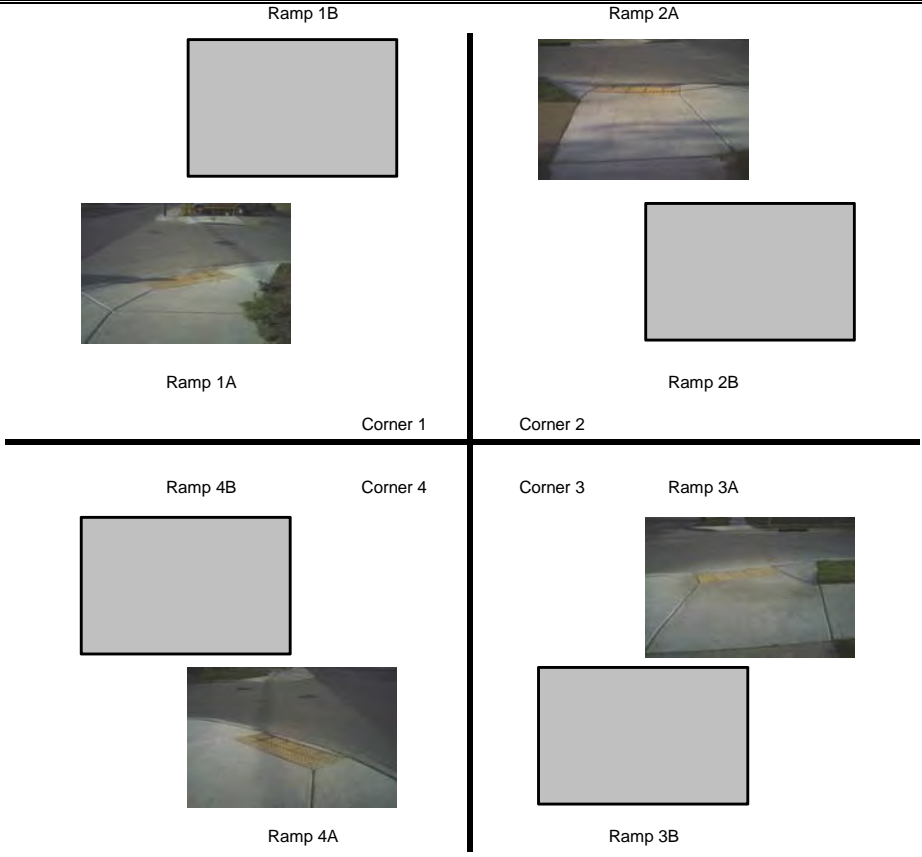
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E Oklahoma Pl and N Lewis Ave

GPS ID: 43021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2:	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3:	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,379.20
Engineering: (% +/-)	15%	\$ 1,980.34
Contingency: (% +/-)	20%	\$ 2,640.46
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

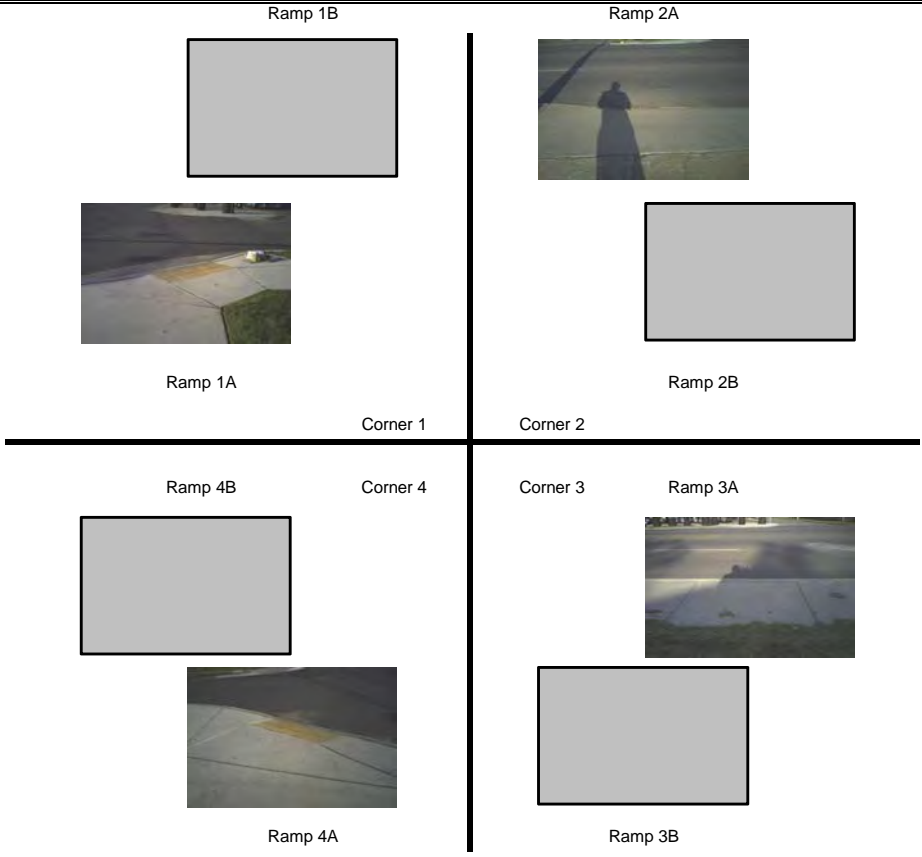
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp								X	
Ramp not needed due to existing geometry									
Ramp Priority:	H							M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Newton Pl

GPS ID: 43022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 40.00	\$ 222.20
2:	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3:	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13:	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	9,000.00

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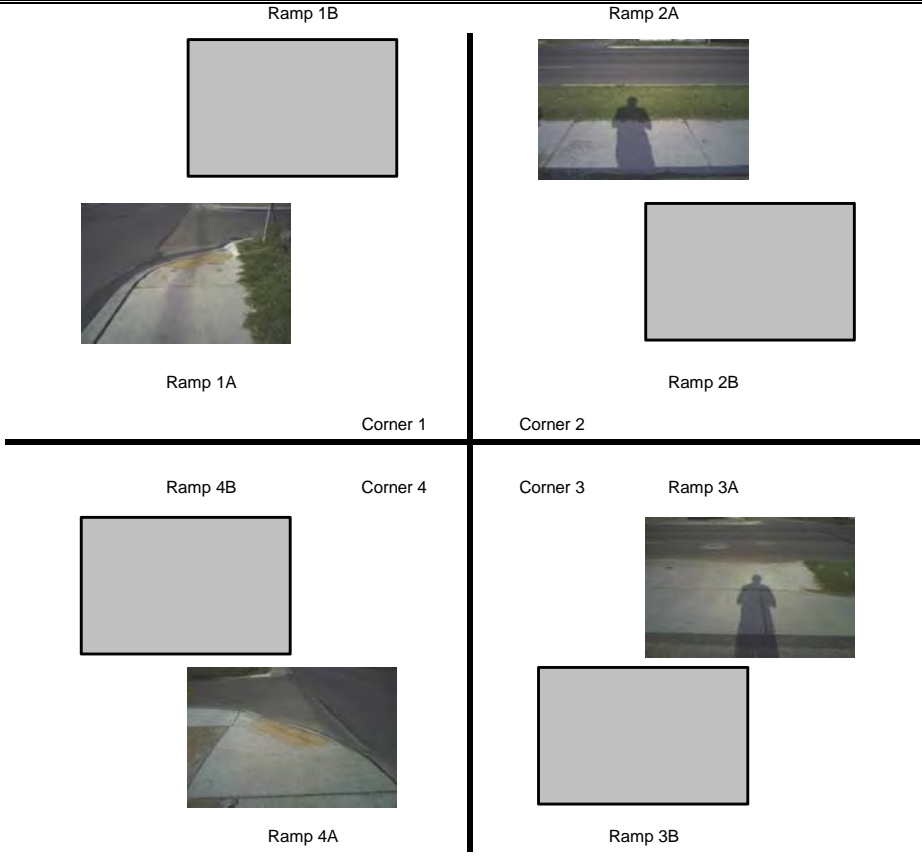
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	L		-		-			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Lewis Ave and E Newton St

GPS ID: 43023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1:	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2:	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3:	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4:	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5:	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6:	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7:	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8:	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9:	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10:	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11:	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12:	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13:	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14:	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15:					
16:					
17:					
18:					
19:					
20:					
21:					
22:					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,171.60
Engineering: (% +/-)	15%	\$ 2,926.46
Contingency: (% +/-)	20%	\$ 3,901.94
Estimated Project Cost:	\$	26,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repare roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		L		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,315.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,753.49
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 13,059.60
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 2,117.31
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 2,823.09
<input type="checkbox"/> Final Design				Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		L		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	190	LF	\$ 6.50	\$ 1,235.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,756.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,247.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,996.23
	Estimated Project Cost:	\$ 20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X				X		
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 4,800.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 942.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,257.03
	Estimated Project Cost:	\$ 7,000.00

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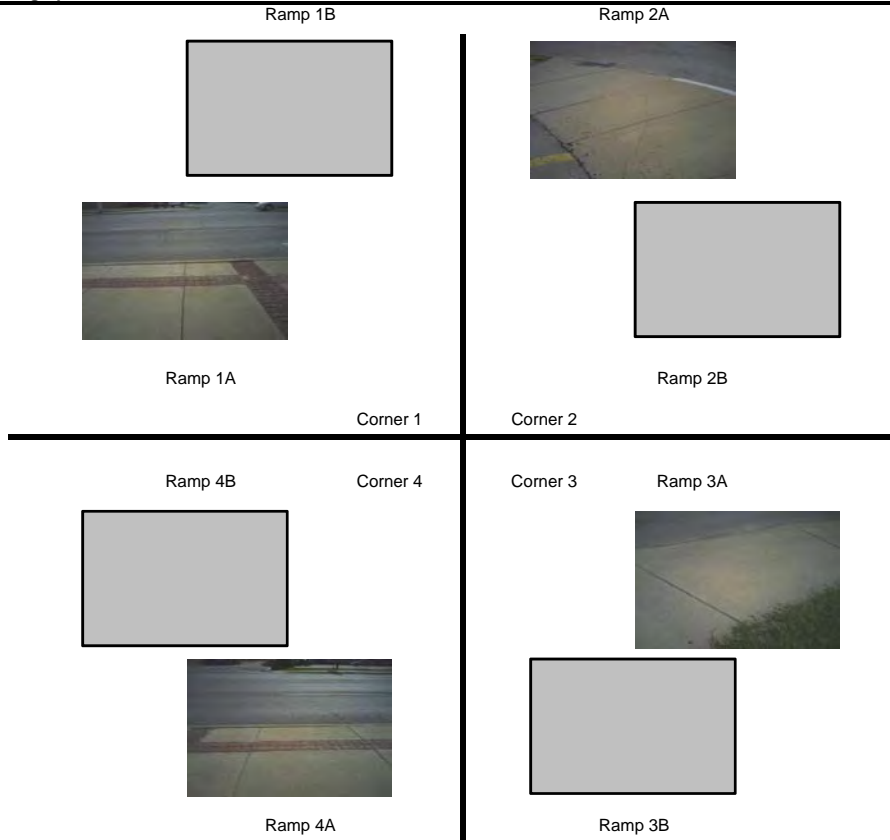
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%						X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"			X	X					
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	190	LF	\$ 6.50	\$ 1,235.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,447.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,093.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,458.40
	Estimated Project Cost:	\$ 34,000.00

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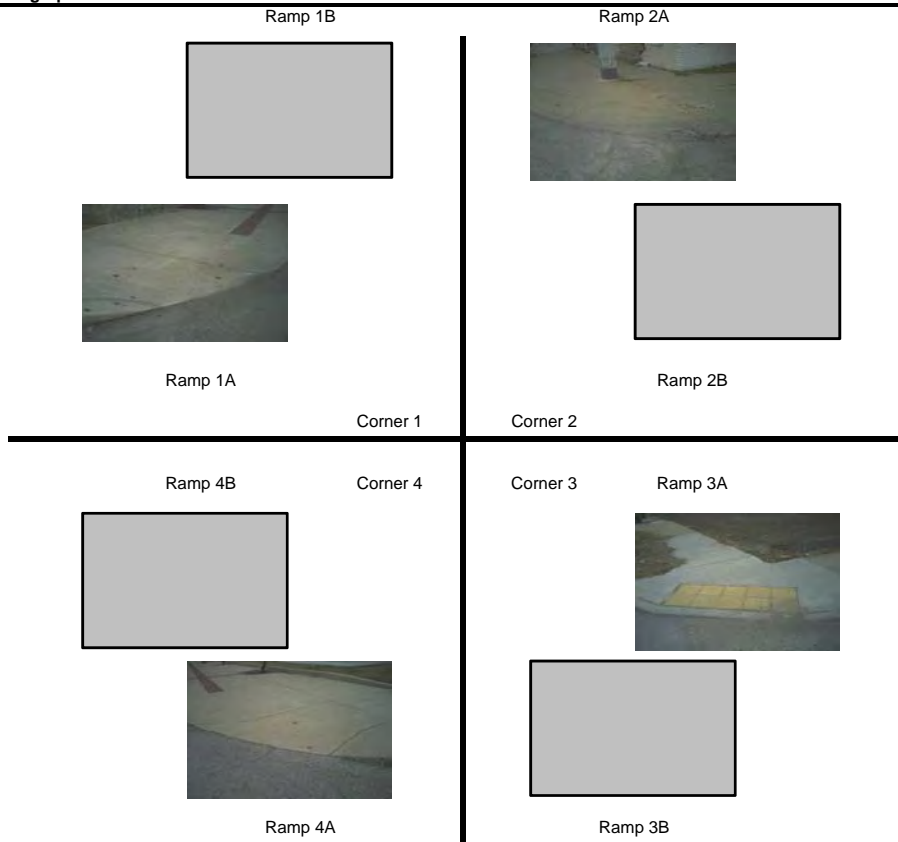
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X				X		Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		L		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 19,992.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,003.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,004.11
	Estimated Project Cost:	\$ 27,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"					X				
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,505.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,783.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,711.09
	Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

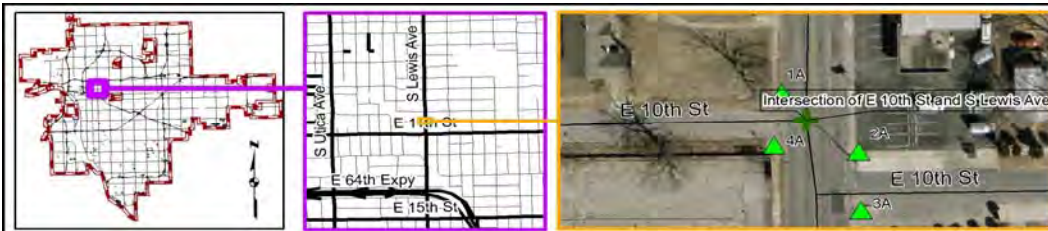
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,451.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,377.97
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,170.63
	Estimated Project Cost:	\$ 20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X		X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		H		L		L		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,538.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,340.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,121.14
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X	X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp				X	X				Install colored truncated domes
No color contrast at base of ramp				X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X	X				Regrade roadway
Ponding occurs at base of ramp				X	X				
Ramp not needed due to existing geometry				X	X	X			Remove ramp
Ramp Priority:	-		H	H	H	H			

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

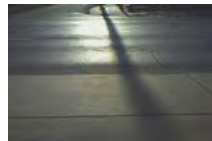
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
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19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,427.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,959.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,613.14
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	61.13	SY	\$ 10.00	\$ 611.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	31.13	SY	\$ 80.00	\$ 2,490.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,631.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,300.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,067.66
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	4A	4C	4D	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%		X	X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X	X				X	X	Install colored truncated domes
No color contrast at base of ramp		X	X				X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X				X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"		X	X				X	X	Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C	H	H	-	-	M	H	H	

Ramp 1B



Ramp 1D



Ramp 2A



Ramp 1A



Ramp 1C



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Ramp 4D Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 4C



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,057.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,260.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,681.26
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X	X					
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X		X				
No textured surface at base of ramp			X		X			Install colored truncated domes	
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X			Install landing area	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X			Regrade roadway	
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

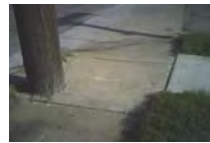
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal:	\$ 24,946.70
<input checked="" type="checkbox"/>	No Design			Engineering: (% +/-)	15% \$ 3,879.99
<input type="checkbox"/>	Preliminary Design			Contingency: (% +/-)	20% \$ 5,173.31
<input type="checkbox"/>	Final Design			Estimated Project Cost:	\$ 34,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X				X		X		Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry			X						Remove ramp
Ramp Priority:	H	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	38.91	SY	\$ 10.00	\$ 389.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	52.81	SY	\$ 80.00	\$ 4,224.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,367.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,271.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,361.60
	Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp	X				X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$ 27,076.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 4,253.14
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 5,670.86
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 37,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X	X					
No textured surface at base of ramp	X		X	X			X		Install colored truncated domes
No color contrast at base of ramp	X		X	X			X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp	X		X	X			X		
Ramp not needed due to existing geometry		X	X	X	X	X	X	X	Remove ramp
Ramp Priority:	H	H	H	H	H	H	M	M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

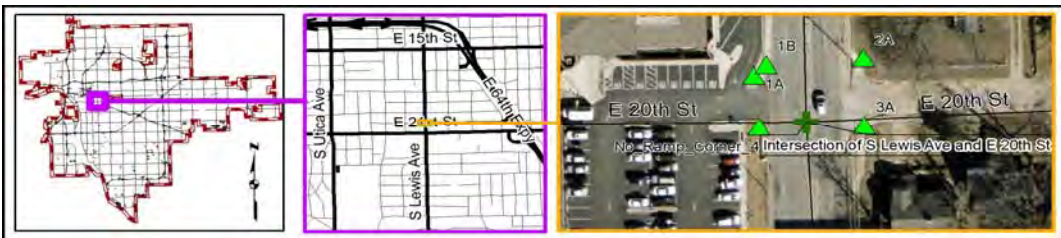
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 24,946.70
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,879.99
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,173.31
	Estimated Project Cost:	\$ 34,000.00

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Project Location



Field Observations

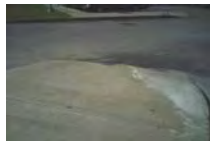
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X		X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X				Install colored truncated domes
No color contrast at base of ramp	X		X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry		X							Remove ramp
Ramp Priority:	H	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,015.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,564.91
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,419.89
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Worn	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,009.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,424.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,565.94
	Estimated Project Cost:	\$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,009.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,424.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,565.94
	Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,424.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,675.43
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,900.57
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

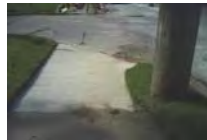
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%			X		X				
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp			X		X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 20,595.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,173.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,231.31
	Estimated Project Cost:	\$ 28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,483.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,793.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,724.00
	Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 3,323.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 718.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 958.17
	Estimated Project Cost:	\$ 5,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

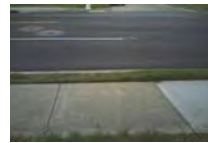
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 4,574.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,039.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,386.17
	Estimated Project Cost:	\$ 7,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,897.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,758.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,344.34
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	2A	3A	3B	4A	4B	4C	4D	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X							X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X							Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X	X			X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L	M	C		L			M	C

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Ramp 4D



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 4C



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 7,646.40 Engineering: (% +/-) 15% \$ 1,437.26 Contingency: (% +/-) 20% \$ 1,916.34 Estimated Project Cost: \$ 11,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		L		C		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,646.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,008.69
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,344.91
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area				X					
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	L		C		H		C		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	5,297.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 4,574.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,039.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,386.17
	Estimated Project Cost:	\$ 7,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		L		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	5,297.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,544.23
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	8,000.00

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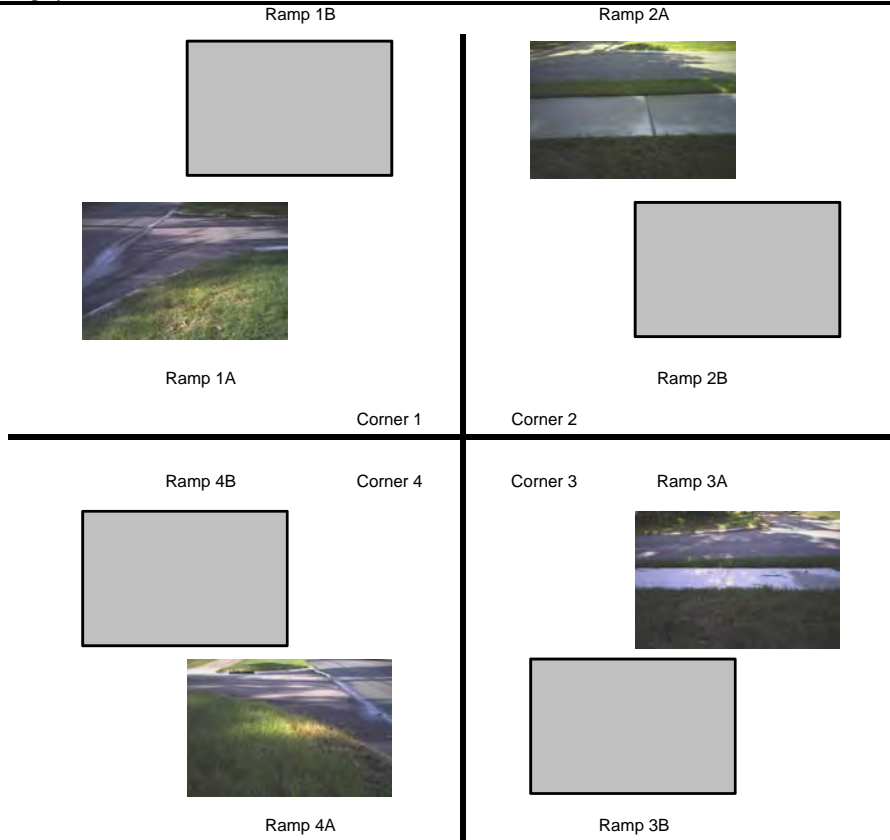
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 4,574.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,039.63
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,386.17
	Estimated Project Cost:	\$ 7,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M	M					-

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,817.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,363.89
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,818.51
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		L		L			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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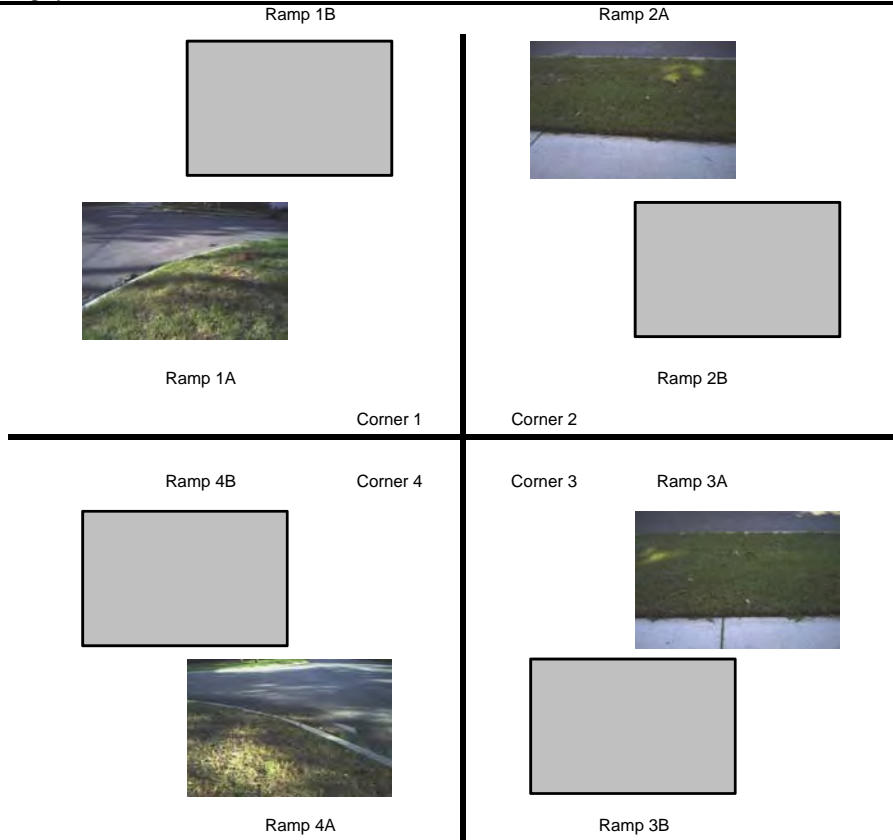
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	13.9	SY	\$ 80.00	\$ 1,112.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	3,771.00
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 955.29
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 1,273.71
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	6,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X		X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		L			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,817.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 935.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,247.09
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		C		C		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,871.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,769.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,358.97
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		L		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 5,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,158.17
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,544.23
	Estimated Project Cost:	\$ 8,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	6,126.40
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 1,231.54
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 1,642.06
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		M			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,492.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,931.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,575.66
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H				-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,851.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,469.03
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%						X			Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area					X				
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 6,606.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,025.83
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,367.77
	Estimated Project Cost:	\$ 9,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	-	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	-	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,874.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,768.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,357.60
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		-		-		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost:	\$ 18,000.00

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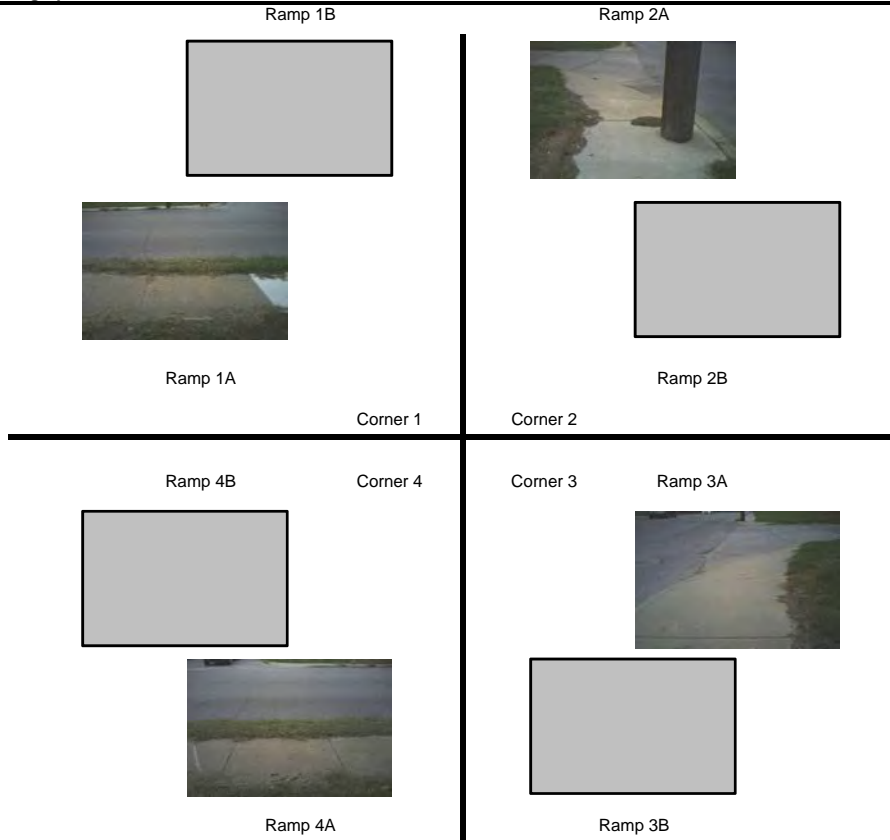
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	20,805.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,511.89
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,682.51
	Estimated Project Cost: \$	29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X		X	X					
No textured surface at base of ramp	X		X	X	X				Install colored truncated domes
No color contrast at base of ramp	X		X	X	X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

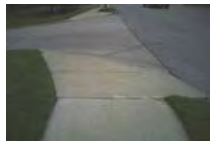
Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	12,931.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,172.26
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,896.34
	Estimated Project Cost: \$	18,000.00

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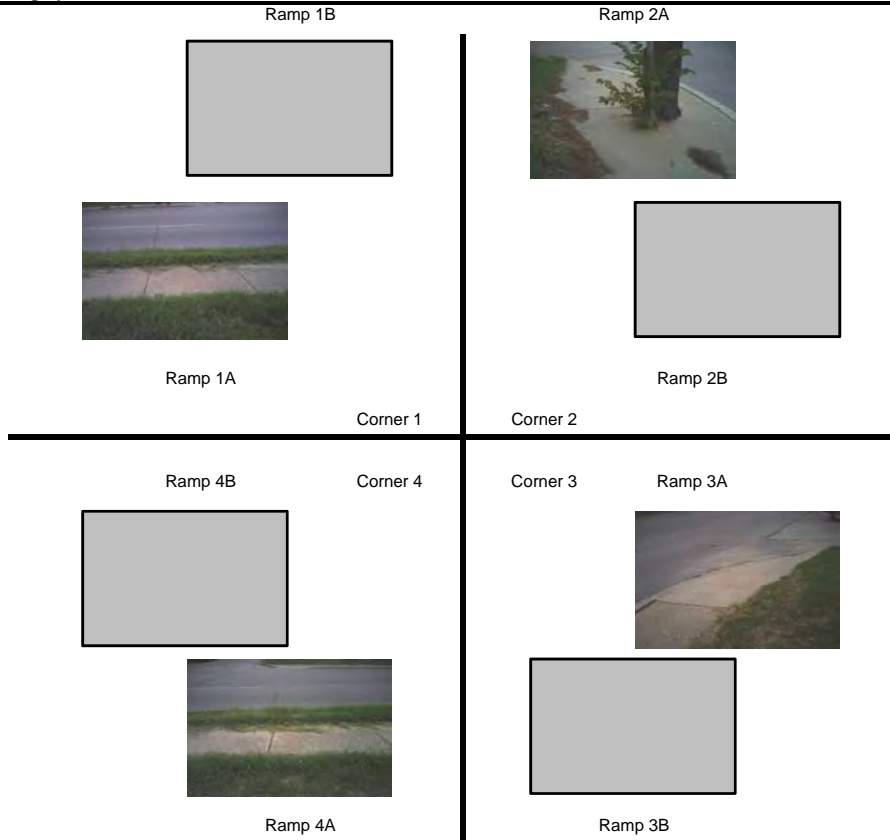
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$	10,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$	1,851.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$	2,469.03
	Estimated Project Cost:	\$	15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		-	-			M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,297.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,586.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,115.66
	Estimated Project Cost:	\$ 14,000.00

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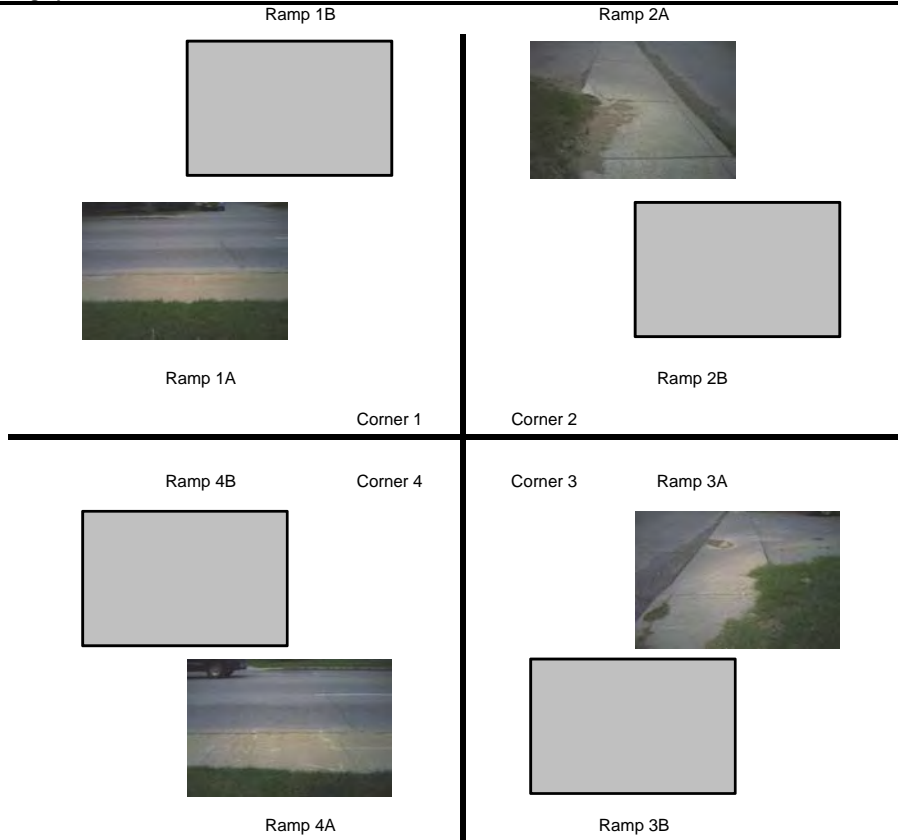
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,679.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,851.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,469.03
	Estimated Project Cost:	\$ 14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M							M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	32	LF	\$ 6.50	\$ 208.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,985.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,720.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,293.94
	Estimated Project Cost:	\$ 14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

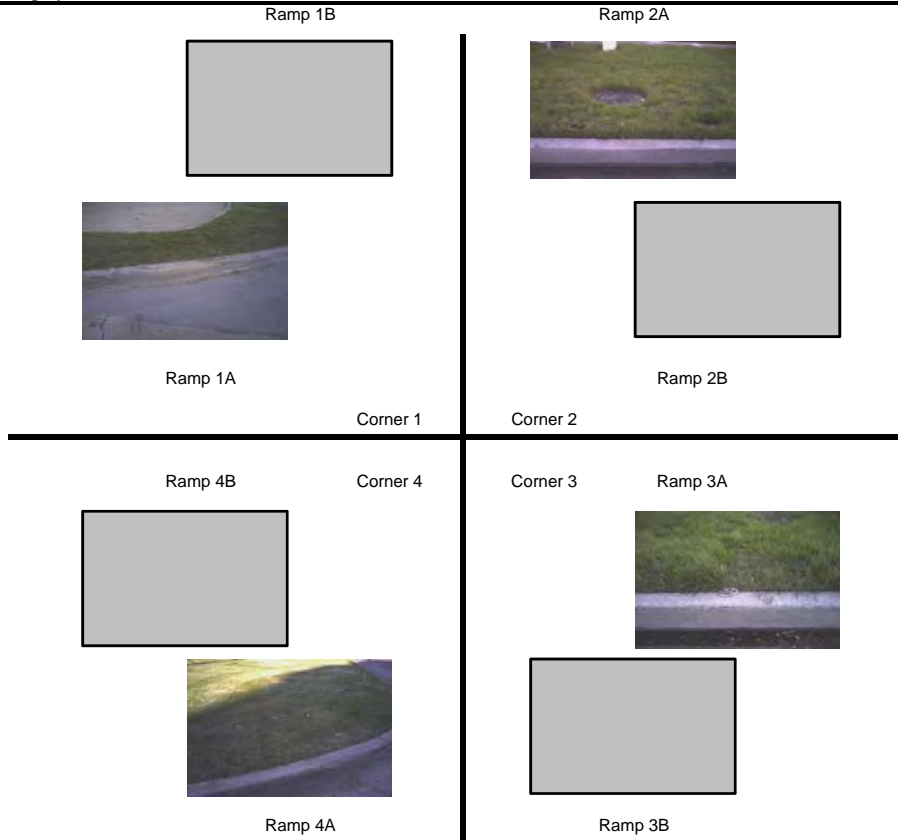
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	X	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-	-			H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 8,208.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,624.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,166.40
	Estimated Project Cost:	\$ 12,000.00

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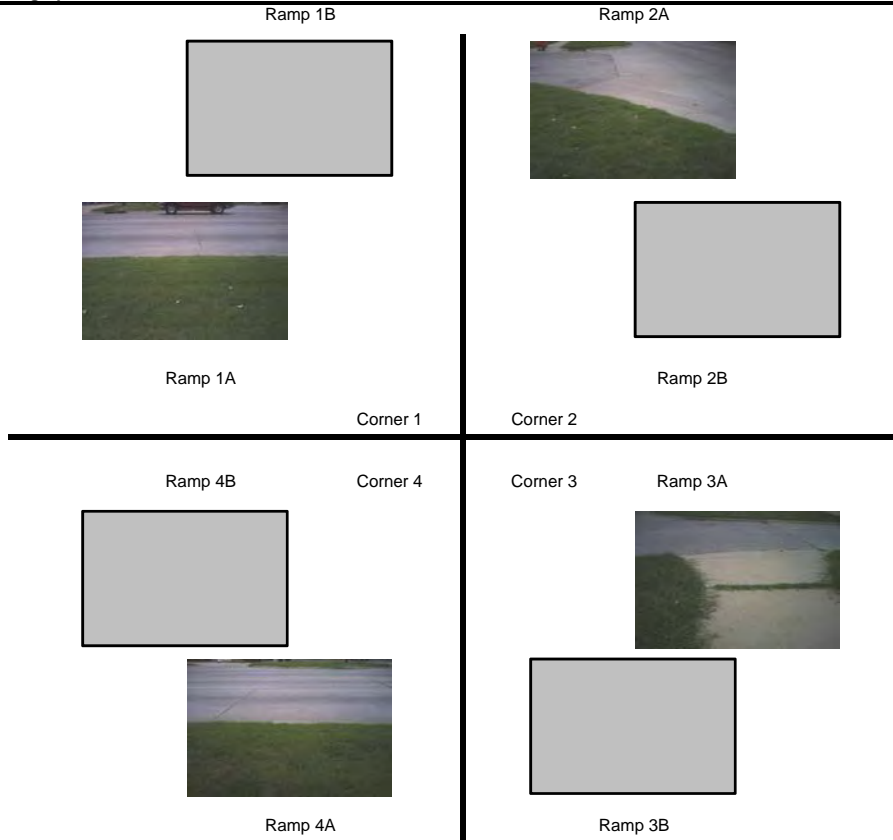
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M			-	



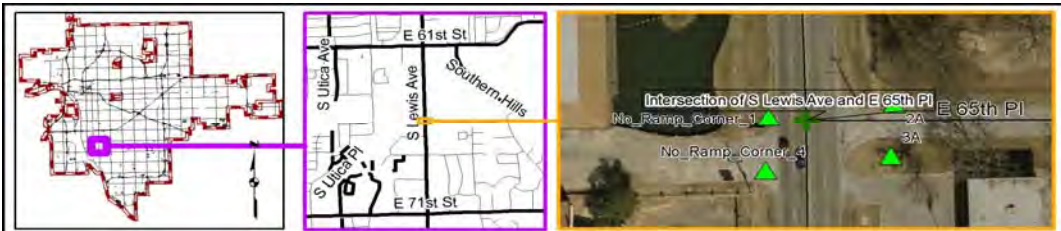
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,679.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,851.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,469.14
	Estimated Project Cost:	\$ 14,000.00

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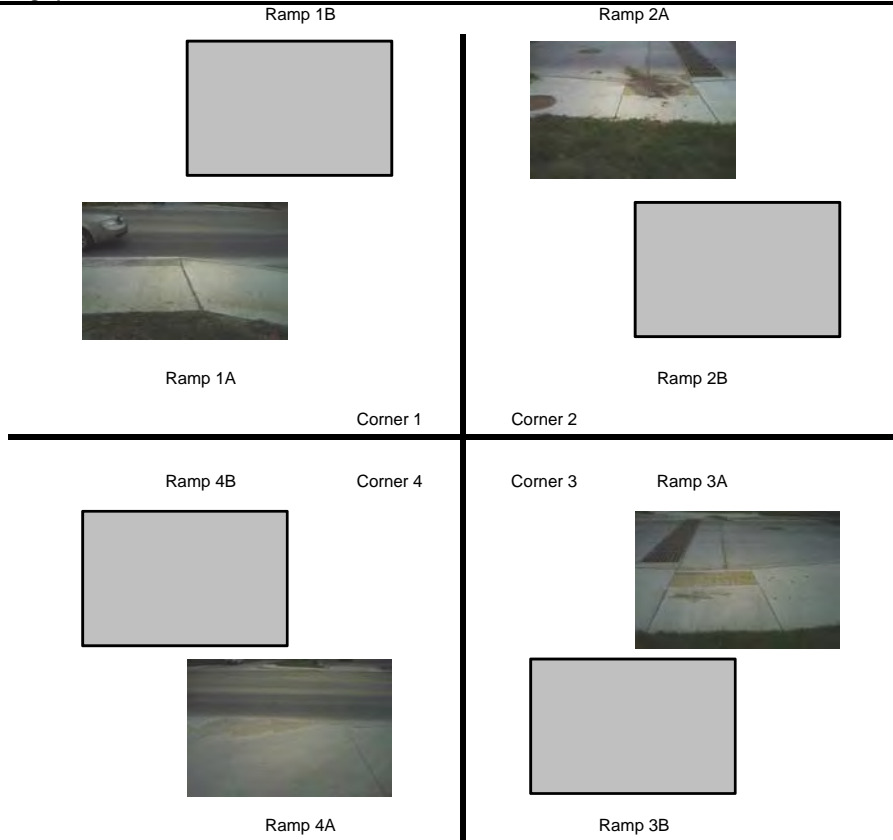
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 73rd St and S Lewis Ave

GPS ID: 43090

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	27.8	SY	\$ 80.00	\$ 2,224.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,517.00
Engineering: (% +/-)	15%	\$ 635.57
Contingency: (% +/-)	20%	\$ 847.43
Estimated Project Cost:	\$	5,000.00

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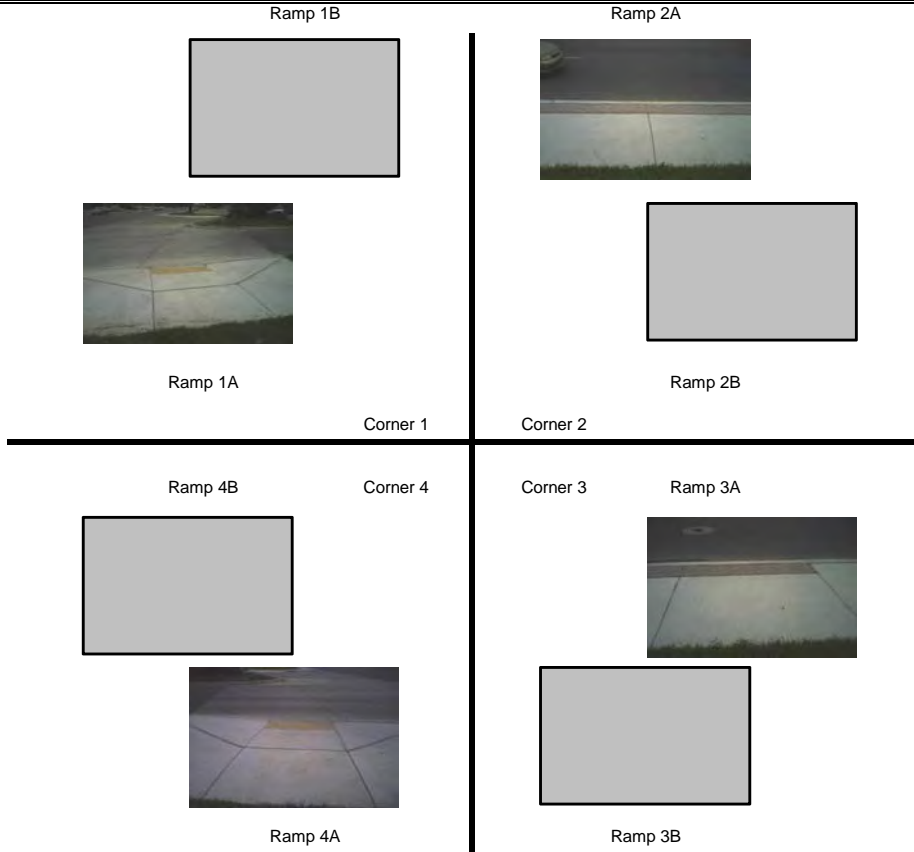
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp							X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M						M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 75th St

GPS ID: 43091

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

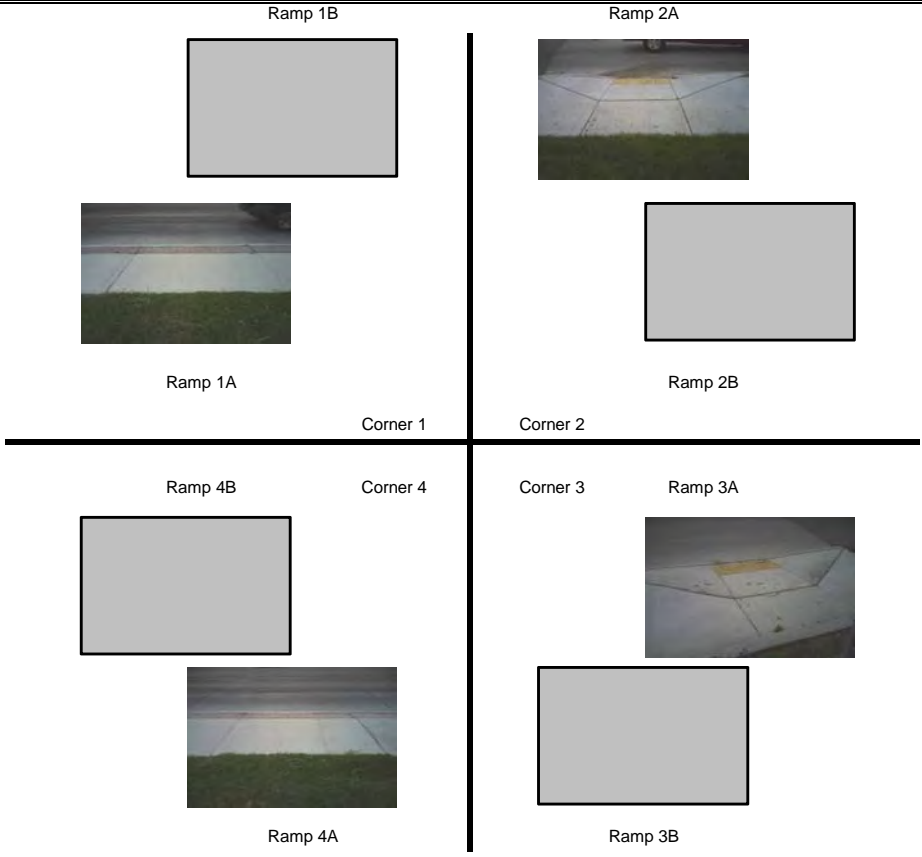
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					Remove and replace ramp
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and E 82nd PI

GPS ID: 43092

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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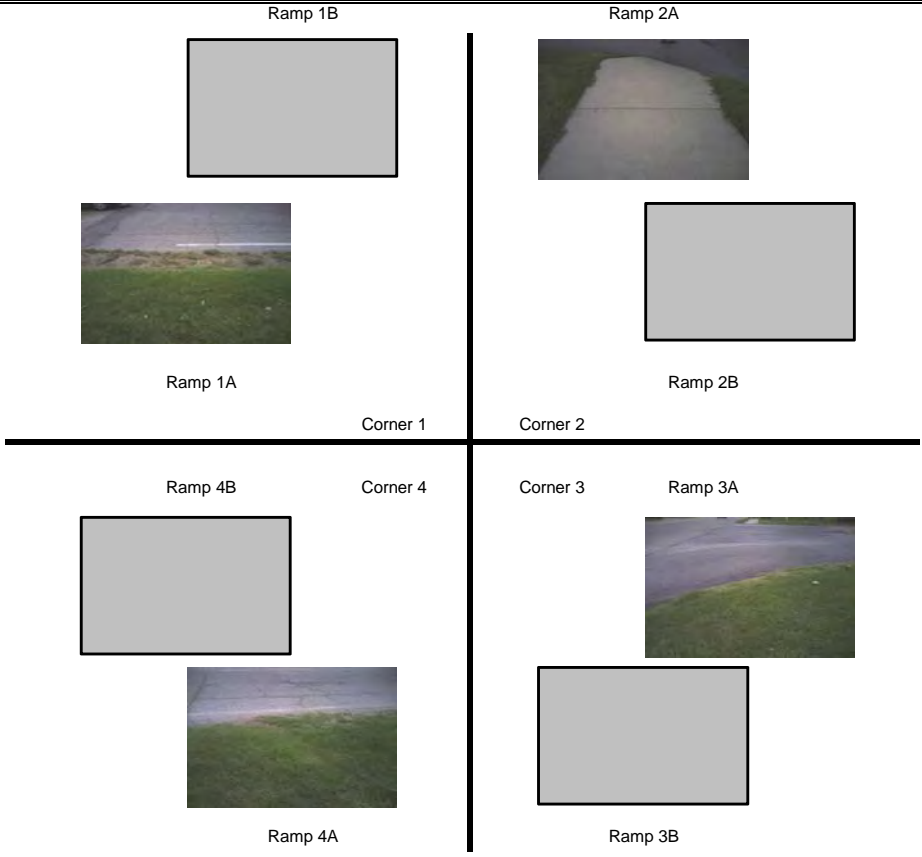
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 91st St and S Lewis Ave

GPS ID: 43093

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

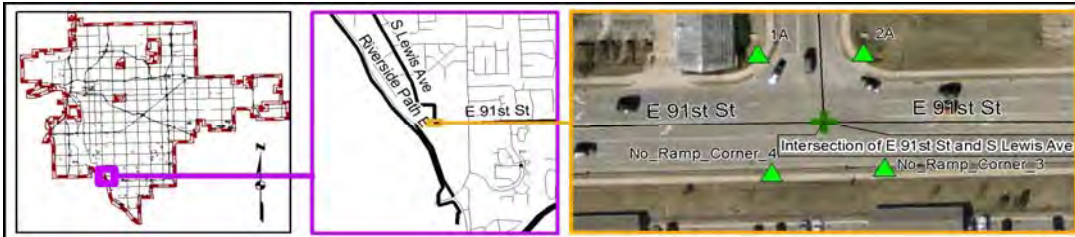
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,735.20
Engineering: (% +/-)	15%	\$ 970.63
Contingency: (% +/-)	20%	\$ 1,294.17
Estimated Project Cost:	\$	7,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

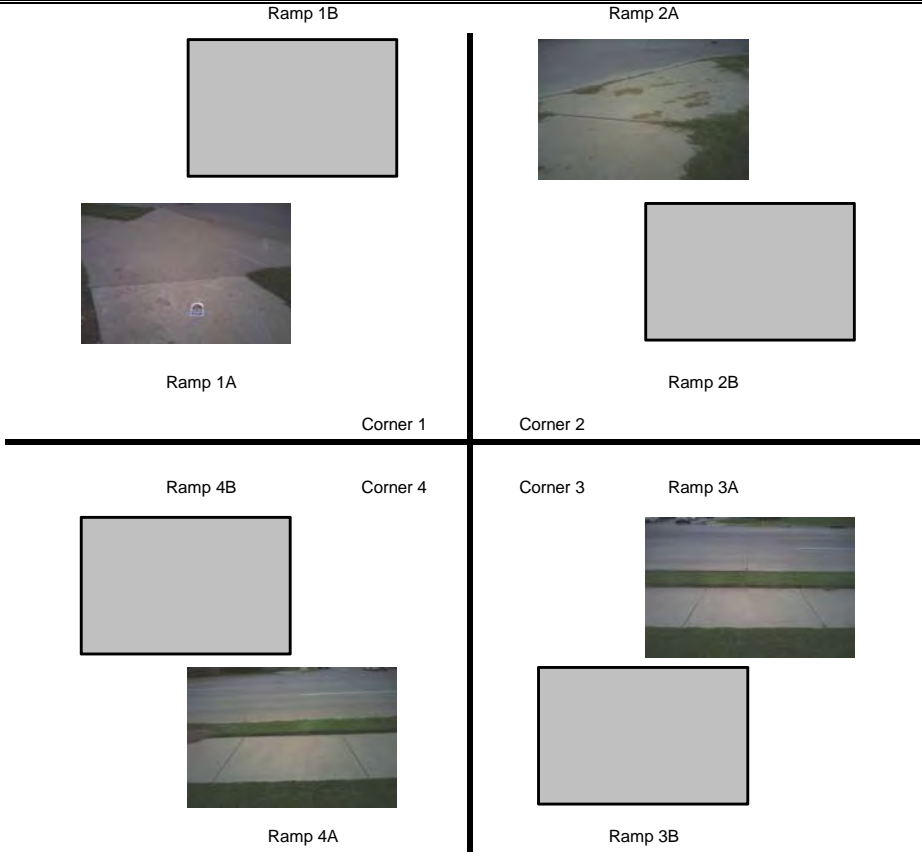
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Lewis Ave and S Lewis Ct

GPS ID: 43094

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,606.40
Engineering: (% +/-)	15%	\$ 1,025.83
Contingency: (% +/-)	20%	\$ 1,367.77
Estimated Project Cost:	\$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X			X		
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	H	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 87th Ct

GPS ID: 44001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,817.60
Engineering: (% +/-)	15%	\$ 2,649.60
Contingency: (% +/-)	20%	\$ 3,532.80
Estimated Project Cost:	\$	22,000.00

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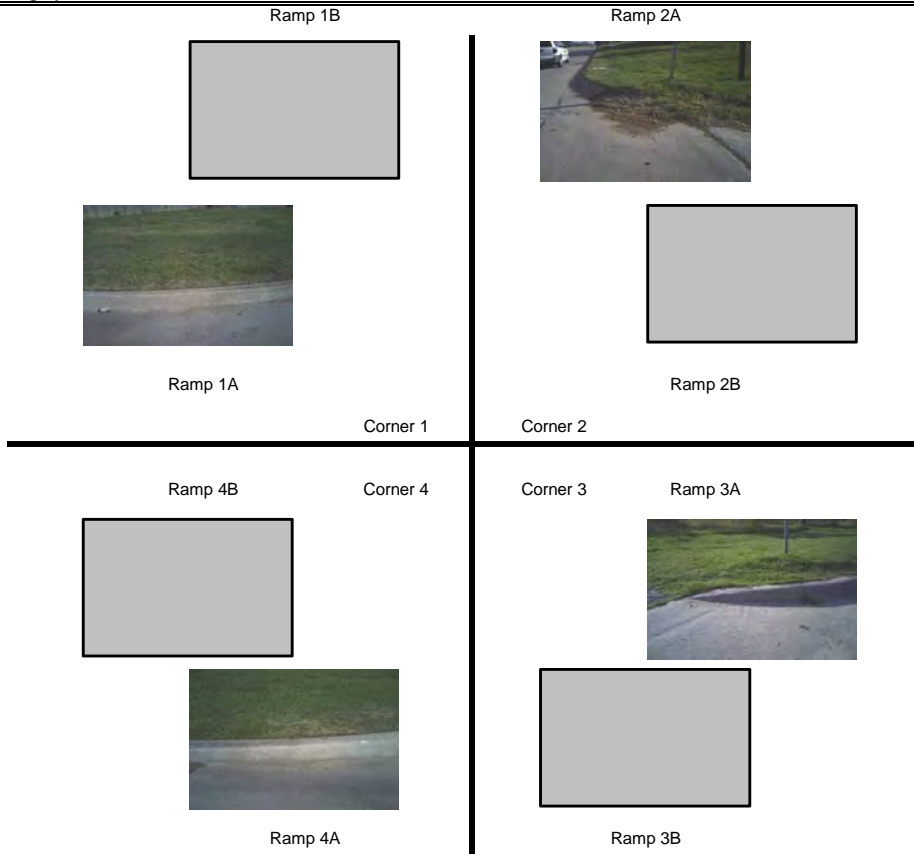
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 87th St

GPS ID: 44002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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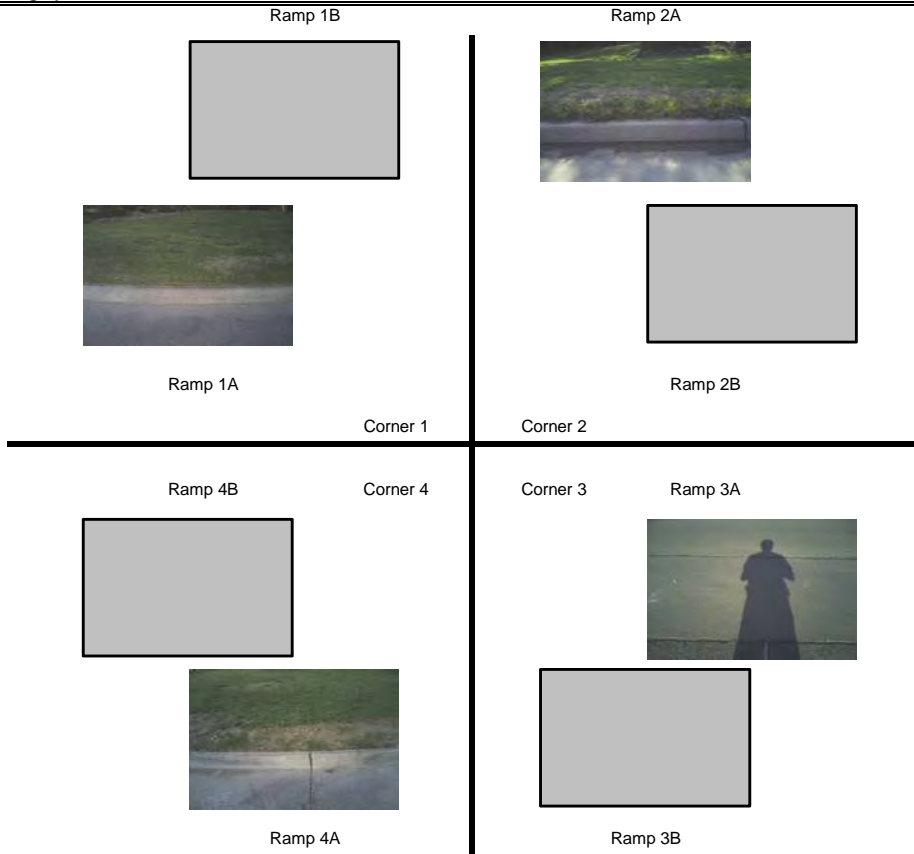
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 77th East Ave and S Memorial Dr

GPS ID: 44003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

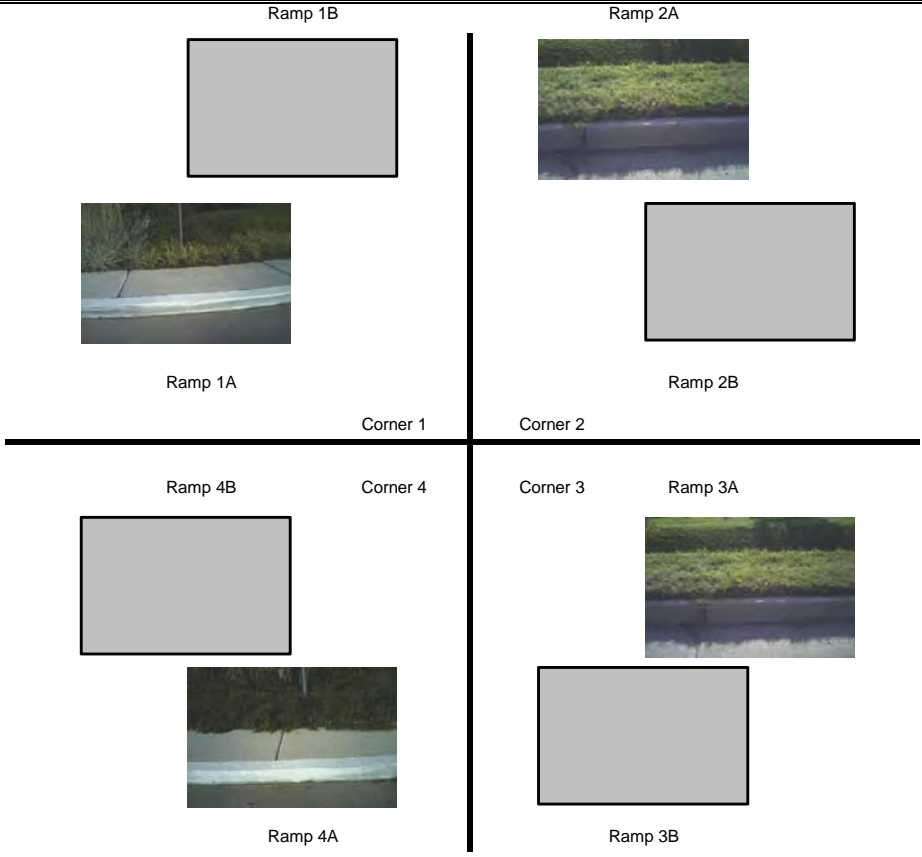
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 80th St

GPS ID: 44004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,817.60
Engineering: (% +/-)	15%	\$	1,792.46
Contingency: (% +/-)	20%	\$	2,389.94
Estimated Project Cost:		\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

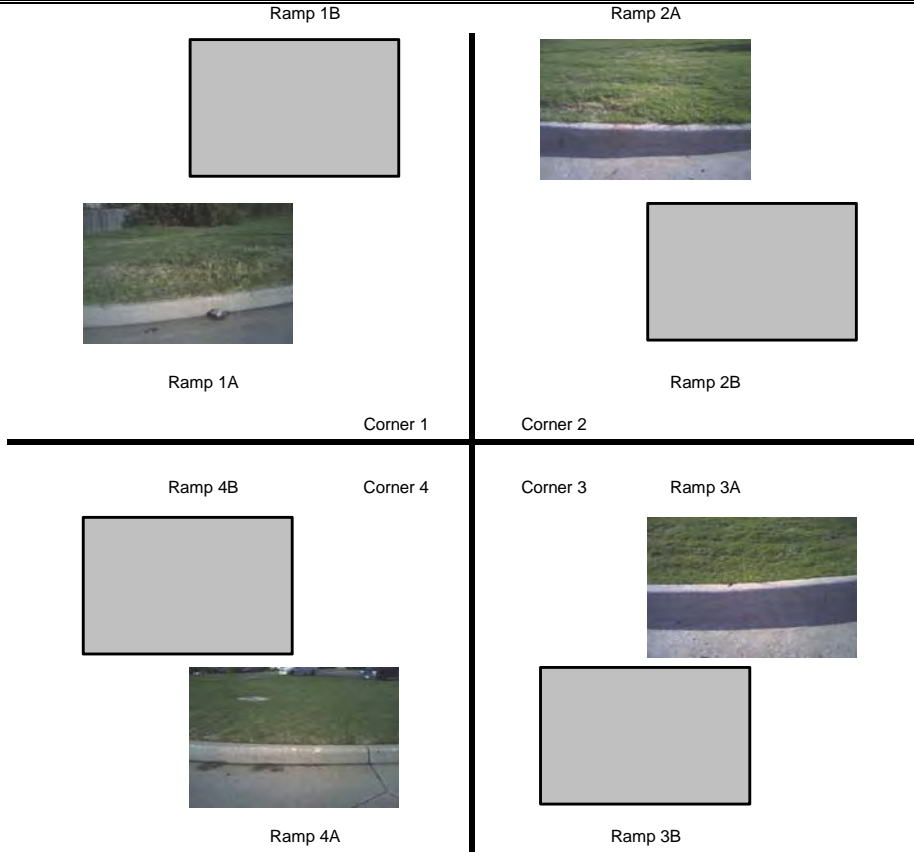
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 79th St GPS ID: 44005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	10,817.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15%	\$ 1,792.46
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20%	\$ 2,389.94
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

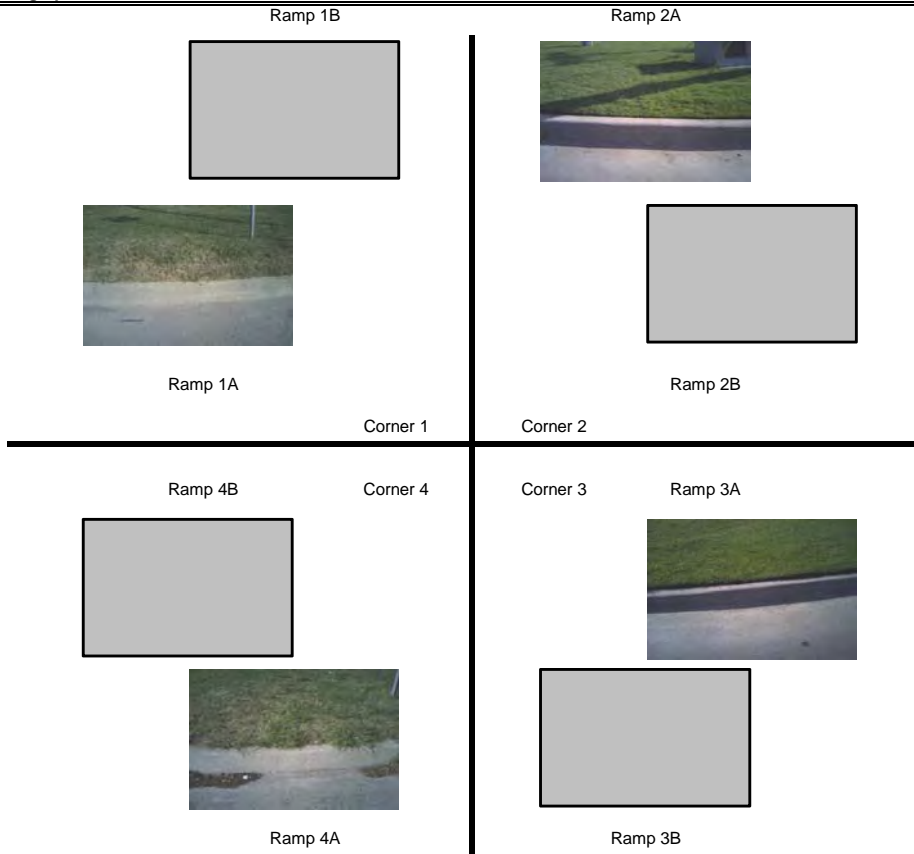
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 77th Ct

GPS ID: 44006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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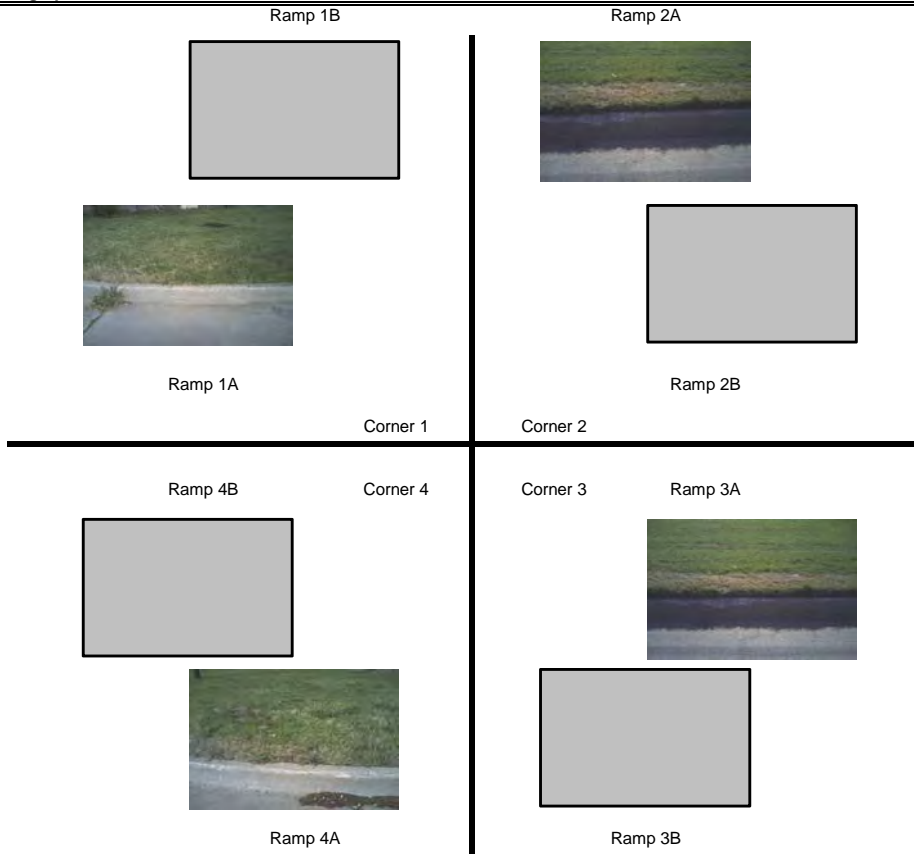
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 77th St

GPS ID: 44007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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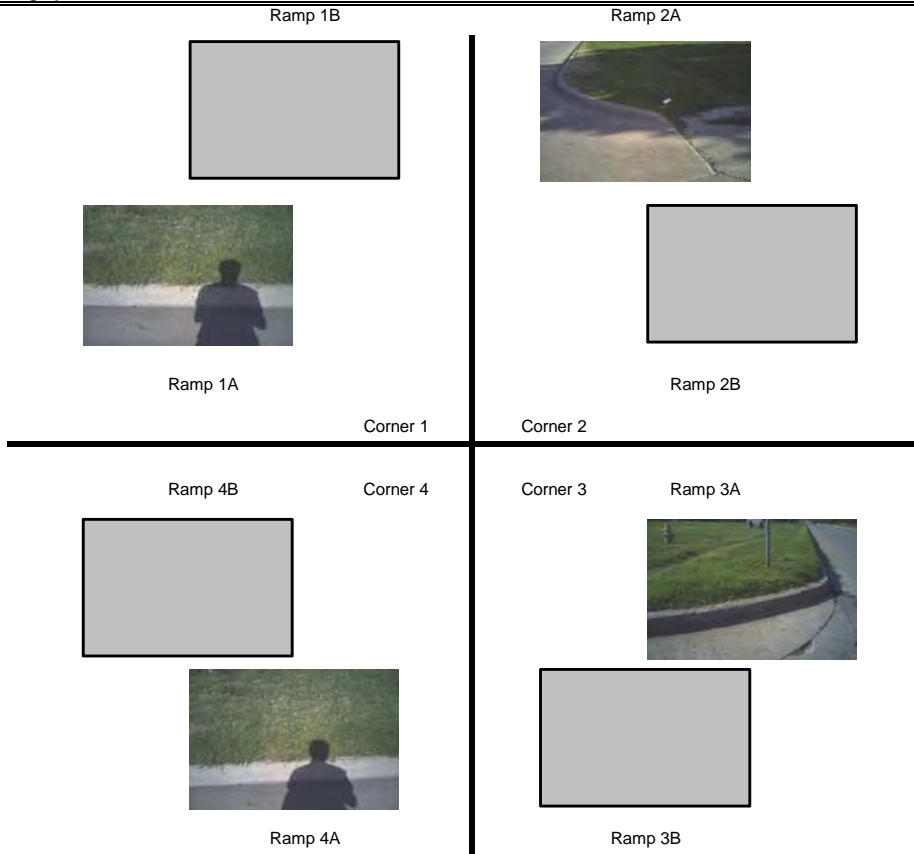
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 76th St

GPS ID: 44008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:	\$	\$	14,000.00

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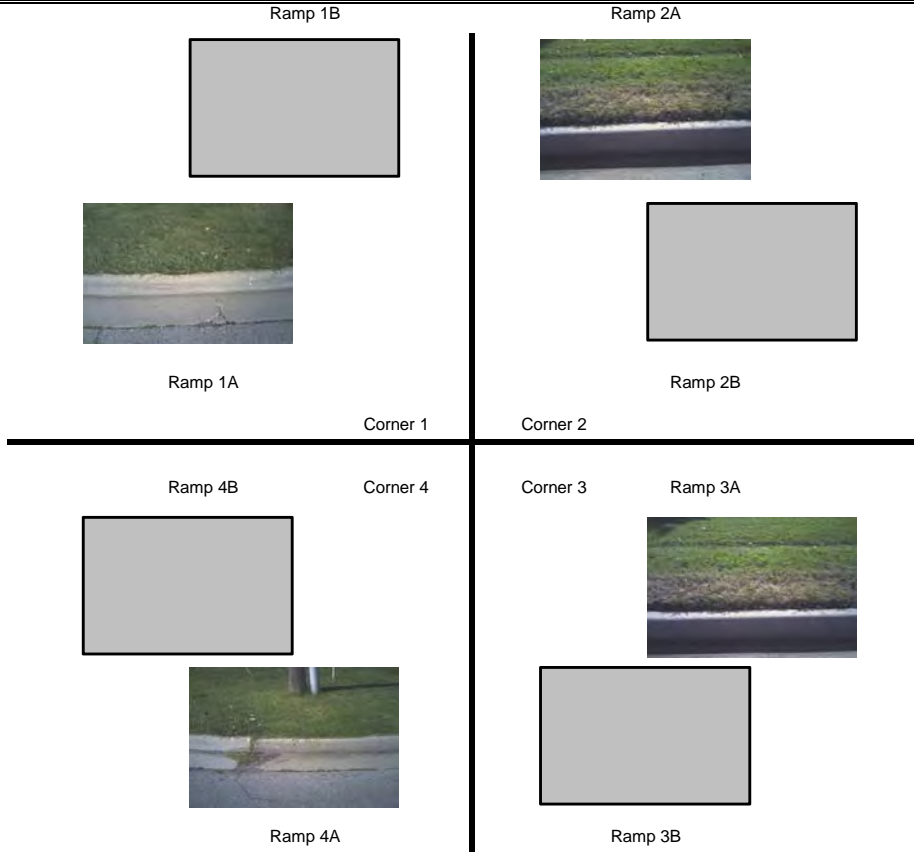
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 75th St

GPS ID: 44009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:	\$	14,000.00	

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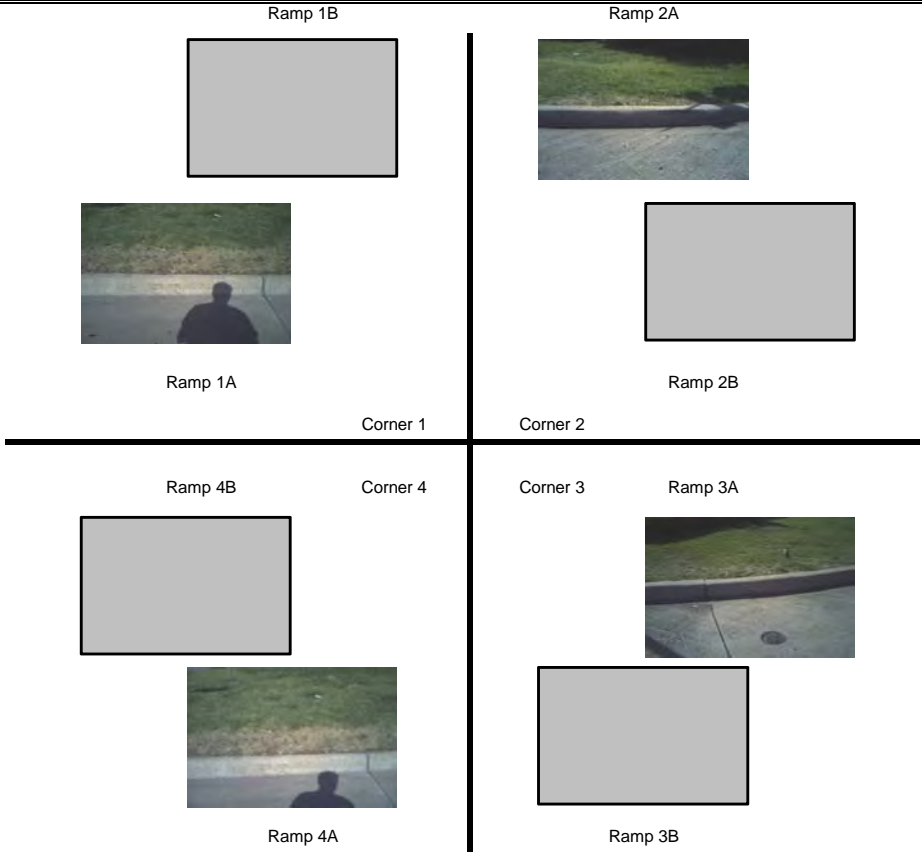
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 74th PI

GPS ID: 44010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	15,075.20
Engineering: (% +/-)	15%	\$	2,539.20
Contingency: (% +/-)	20%	\$	3,385.60
Estimated Project Cost:		\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

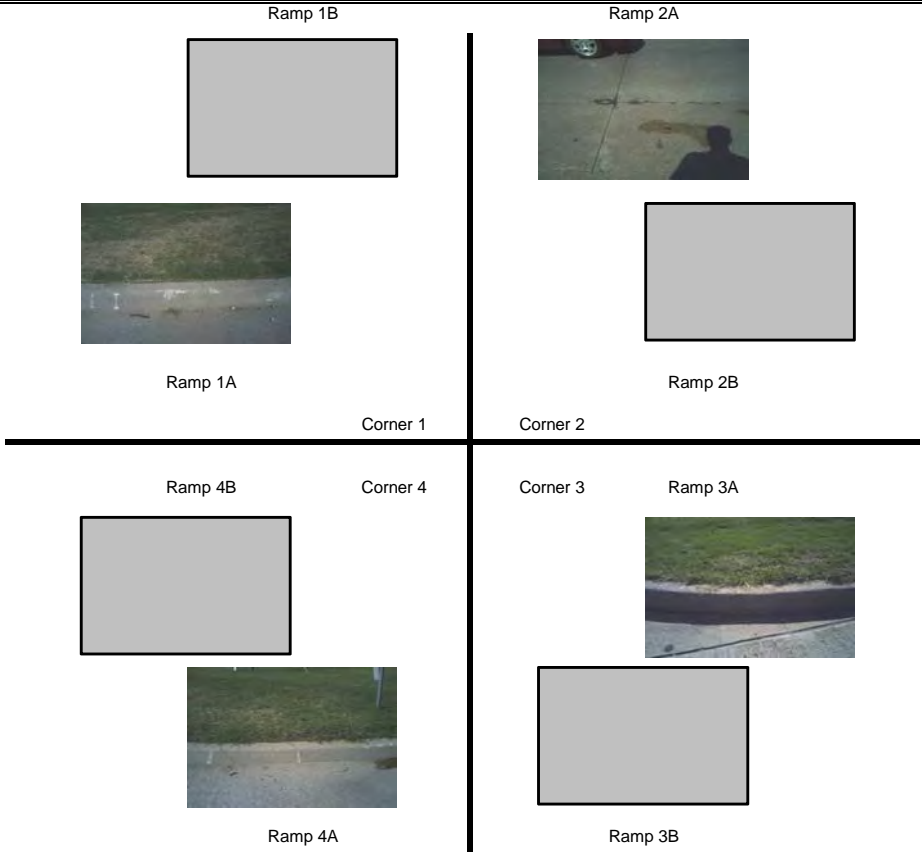
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		-		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 73rd St (west)

GPS ID: 44011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	0	SY	\$ 80.00	\$ -
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	0	EA	\$ 1,500.00	\$ -
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	5,520.00
Engineering: (% +/-)	15%	\$	1,062.86
Contingency: (% +/-)	20%	\$	1,417.14
Estimated Project Cost:		\$	8,000.00

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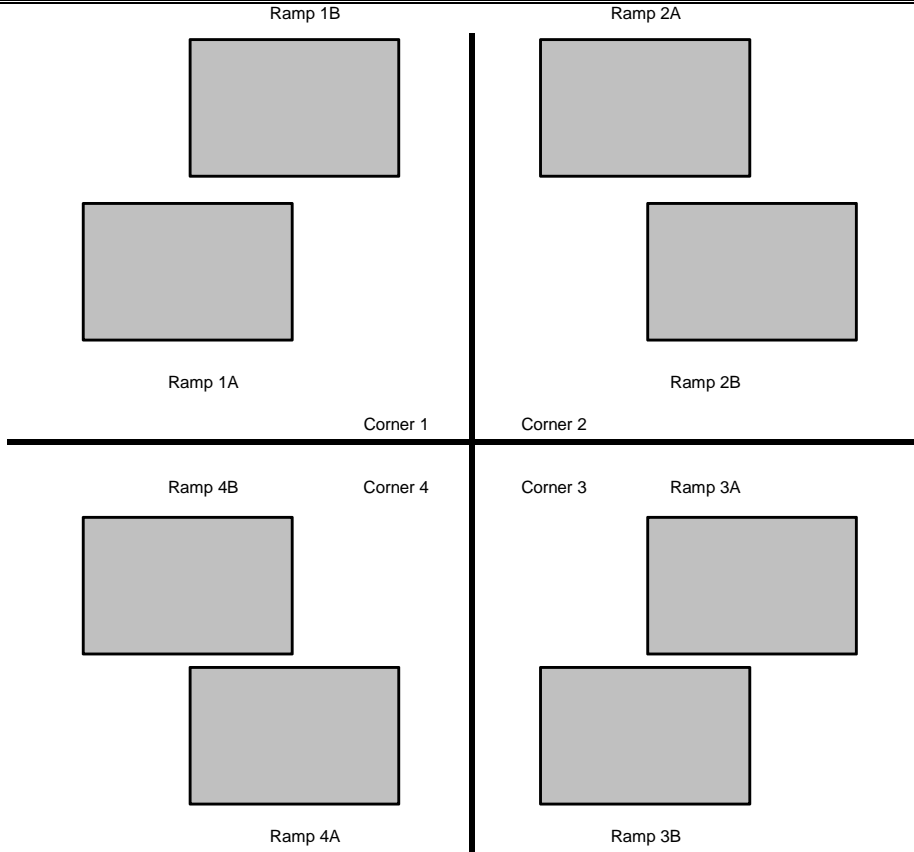
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:									



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 73rd St (east)

GPS ID: 44012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,424.00
Engineering: (% +/-)	15%	\$ 1,961.14
Contingency: (% +/-)	20%	\$ 2,614.86
Estimated Project Cost:	\$	17,000.00

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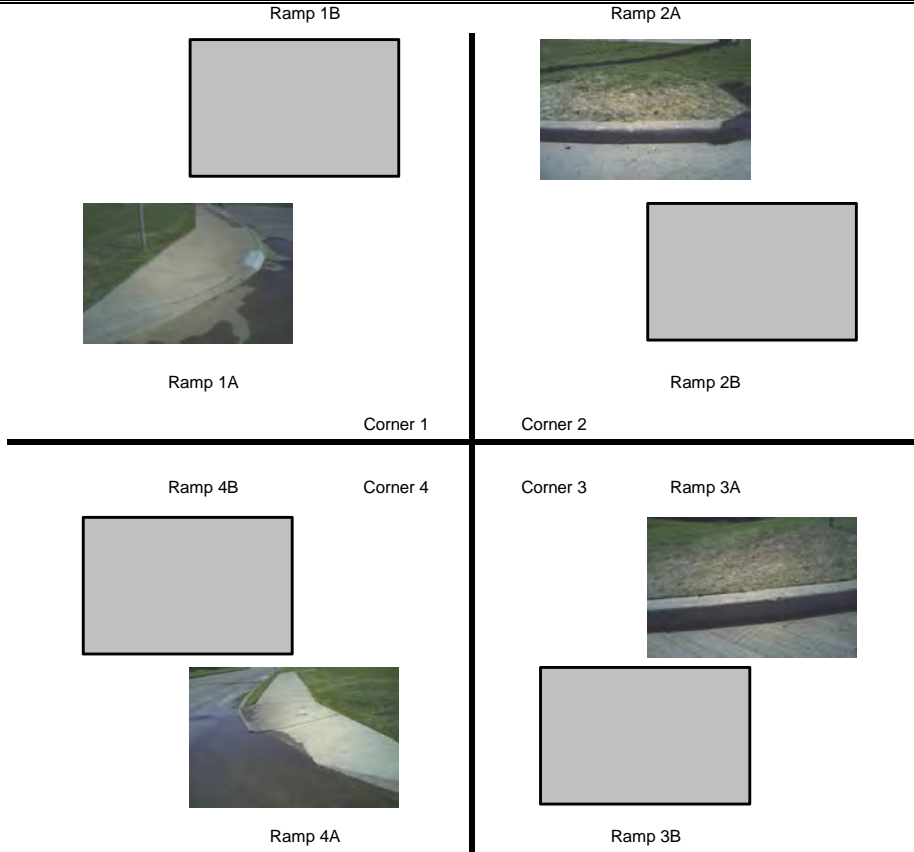
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%								X	
Ramp cross slope is greater than 2%	X							X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp								X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 65th St

GPS ID: 44013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	6,581.40
Engineering: (% +/-)	15%	\$	1,036.54
Contingency: (% +/-)	20%	\$	1,382.06
Estimated Project Cost:		\$	9,000.00

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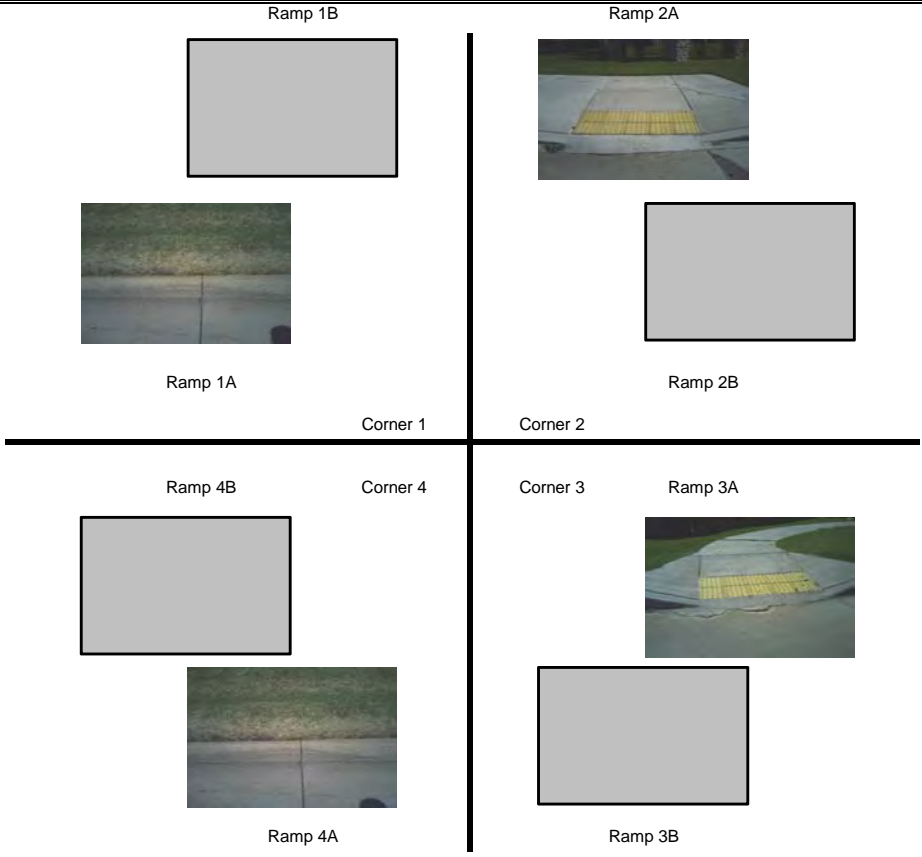
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 63rd Pl and S Memorial Dr

GPS ID: 44014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,009.60
Engineering: (% +/-)	15%	\$ 2,567.31
Contingency: (% +/-)	20%	\$ 3,423.09
Estimated Project Cost:	\$	22,000.00

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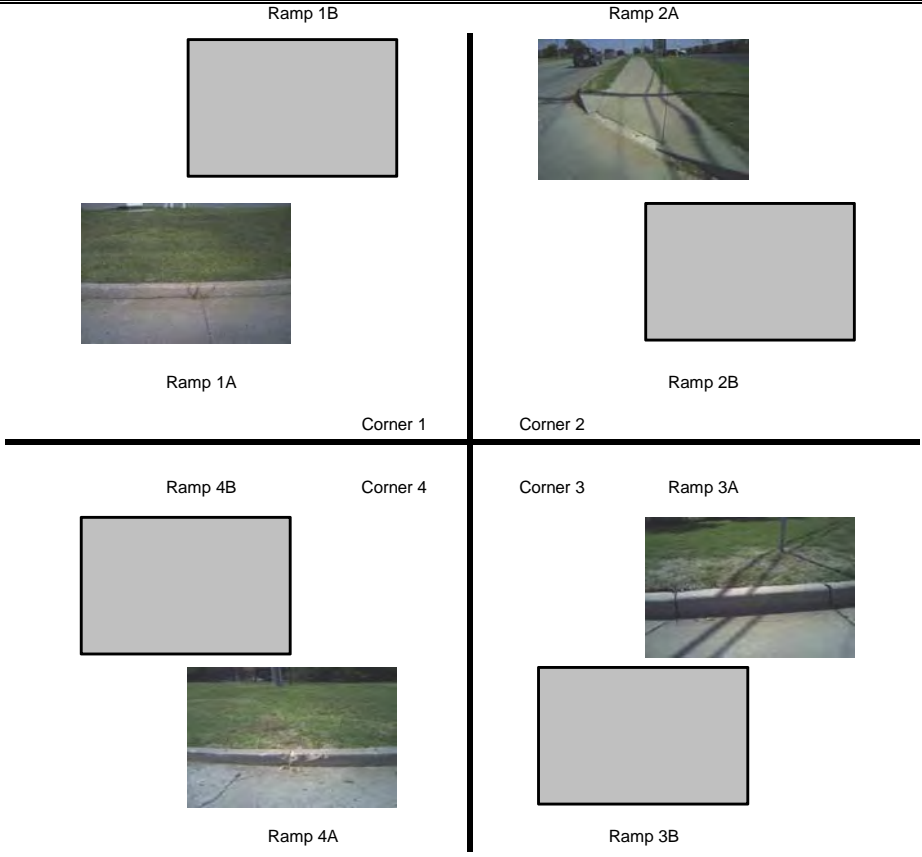
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X					Install colored truncated domes
No color contrast at base of ramp				X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		M		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 63rd St (west)

GPS ID: 44015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:	\$	\$	14,000.00

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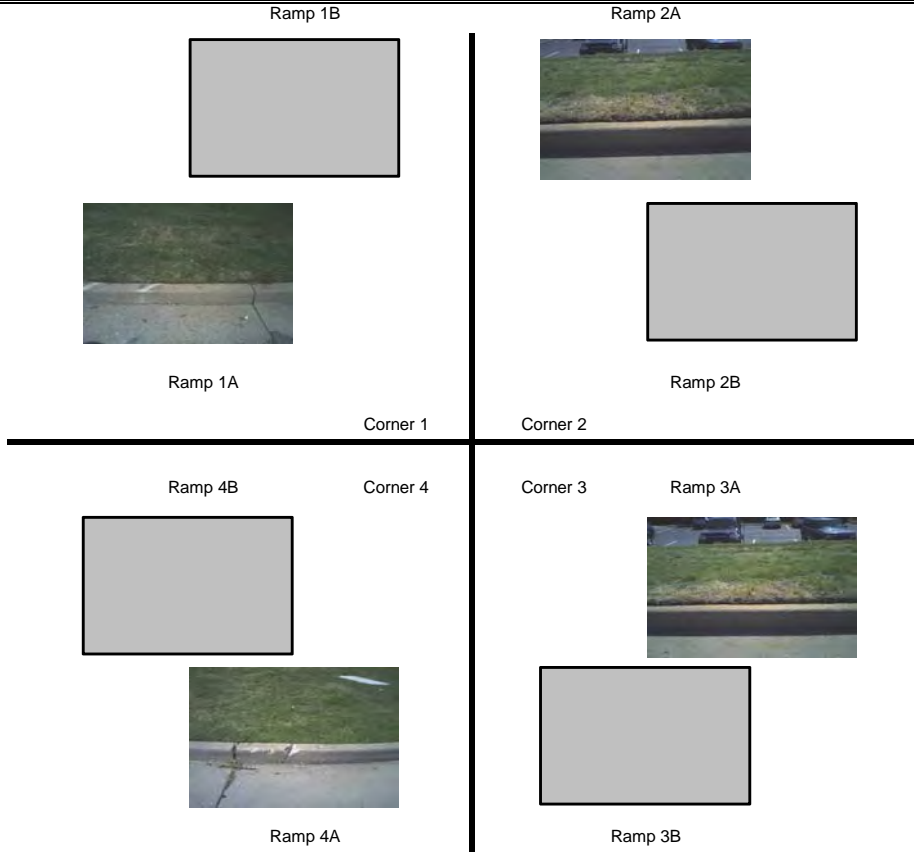
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 63rd St (east)

GPS ID: 44016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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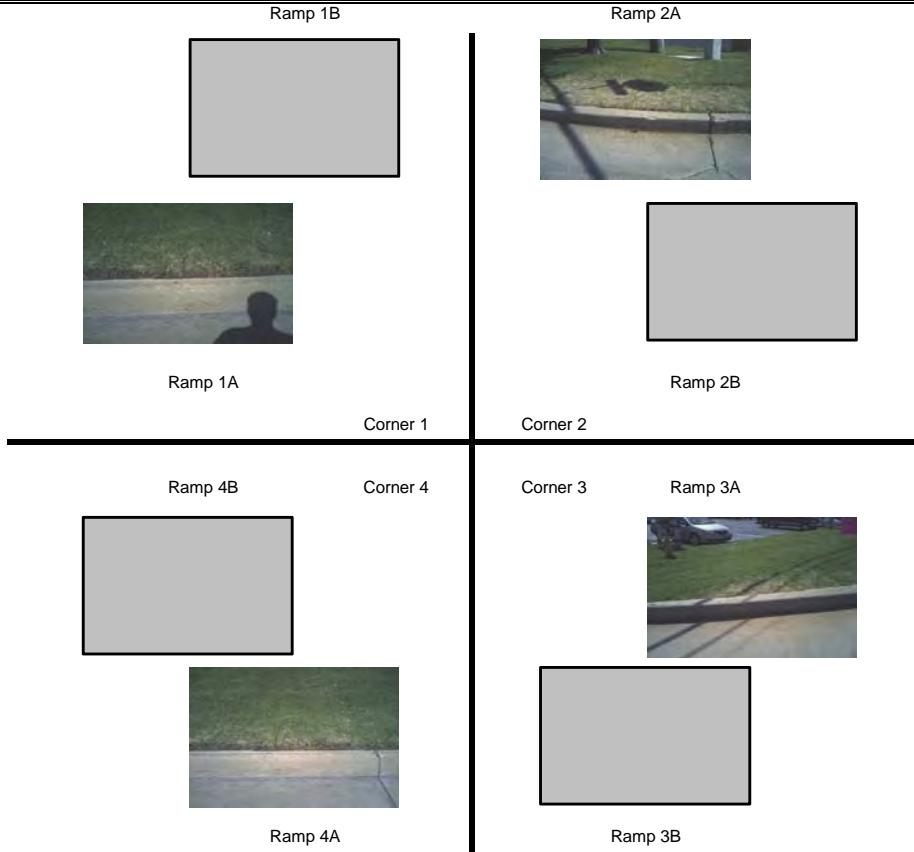
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 60th St

GPS ID: 44017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,009.60
Engineering: (% +/-)	15%	\$ 3,424.46
Contingency: (% +/-)	20%	\$ 4,565.94
Estimated Project Cost:	\$	29,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

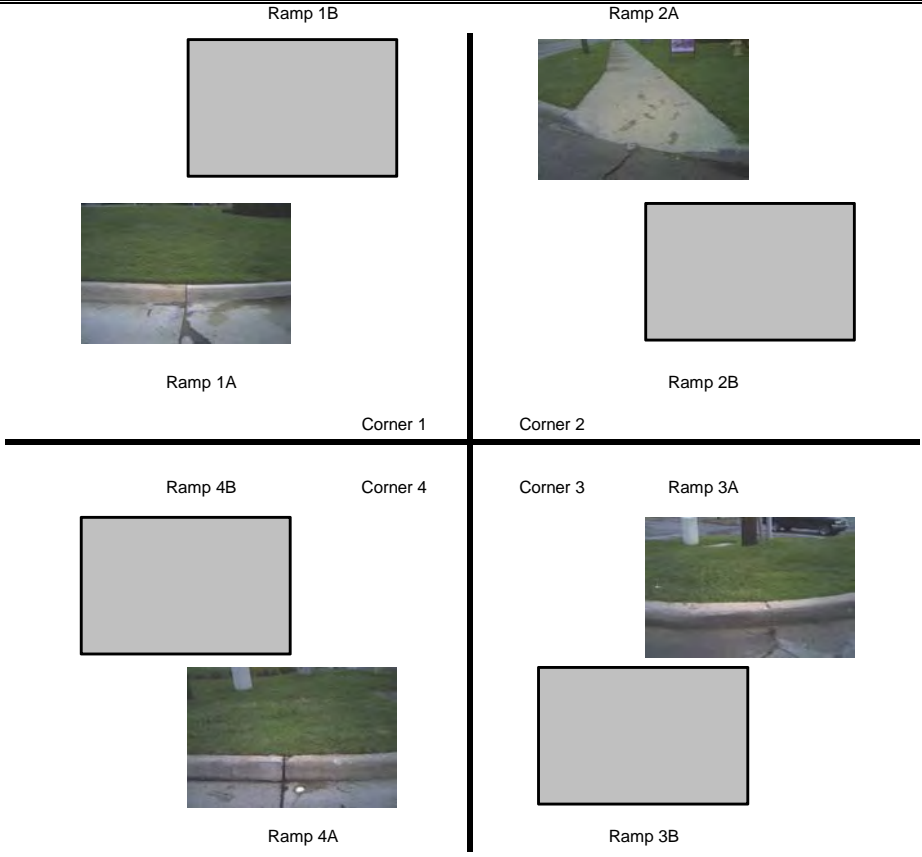
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 58th PI

GPS ID: 44018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

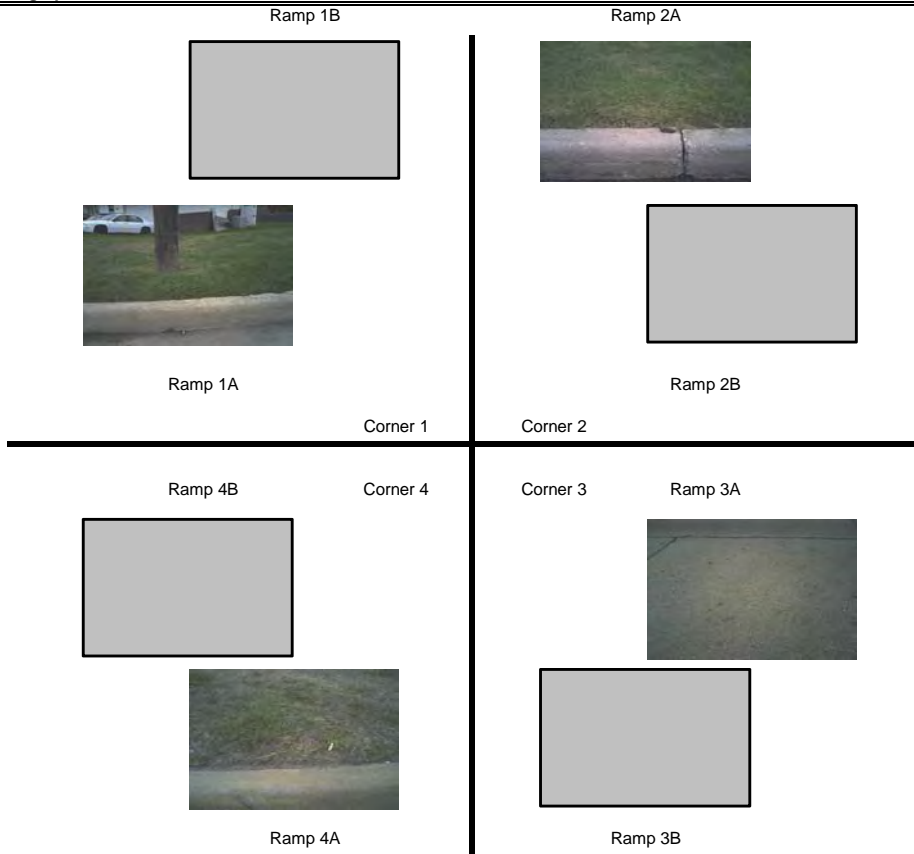
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 58th St

GPS ID: 44019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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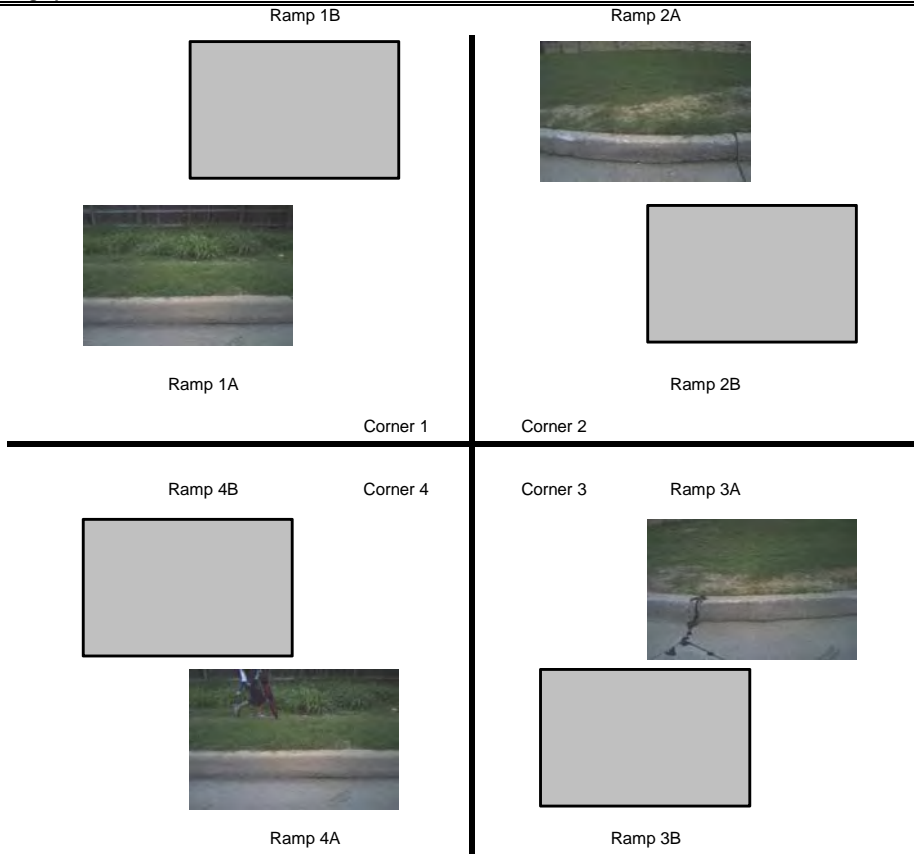
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 57th St

GPS ID: 44020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:	\$	\$	14,000.00

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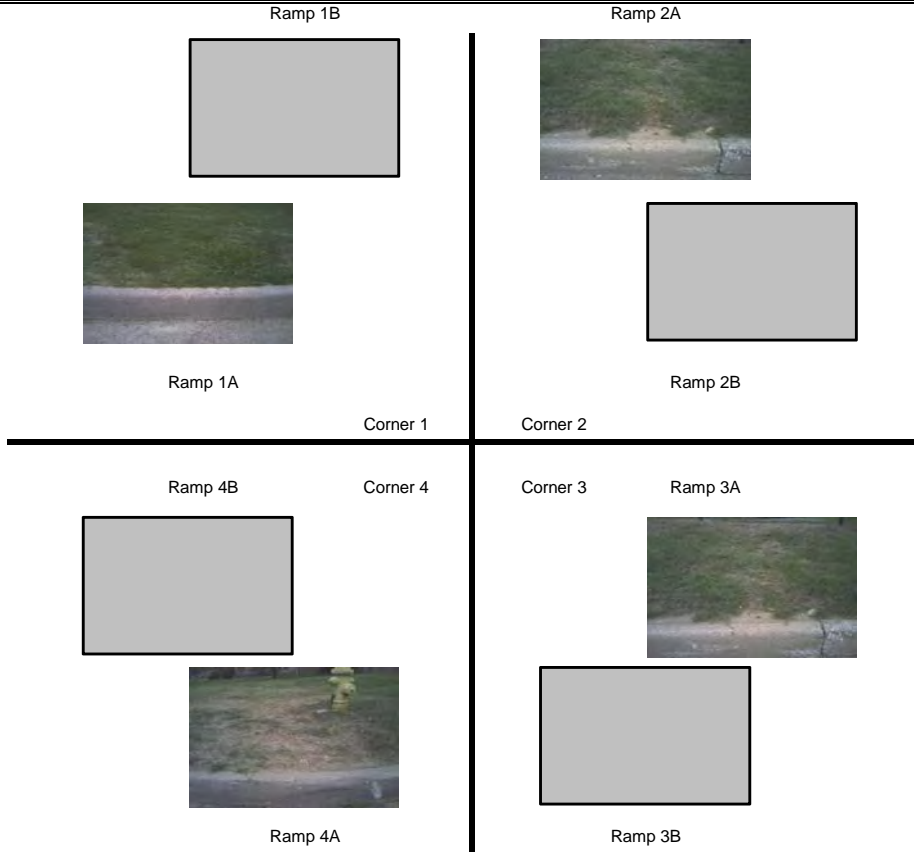
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S 79th East Pl and S Memorial Dr

GPS ID: 44021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:	\$	14,000.00	

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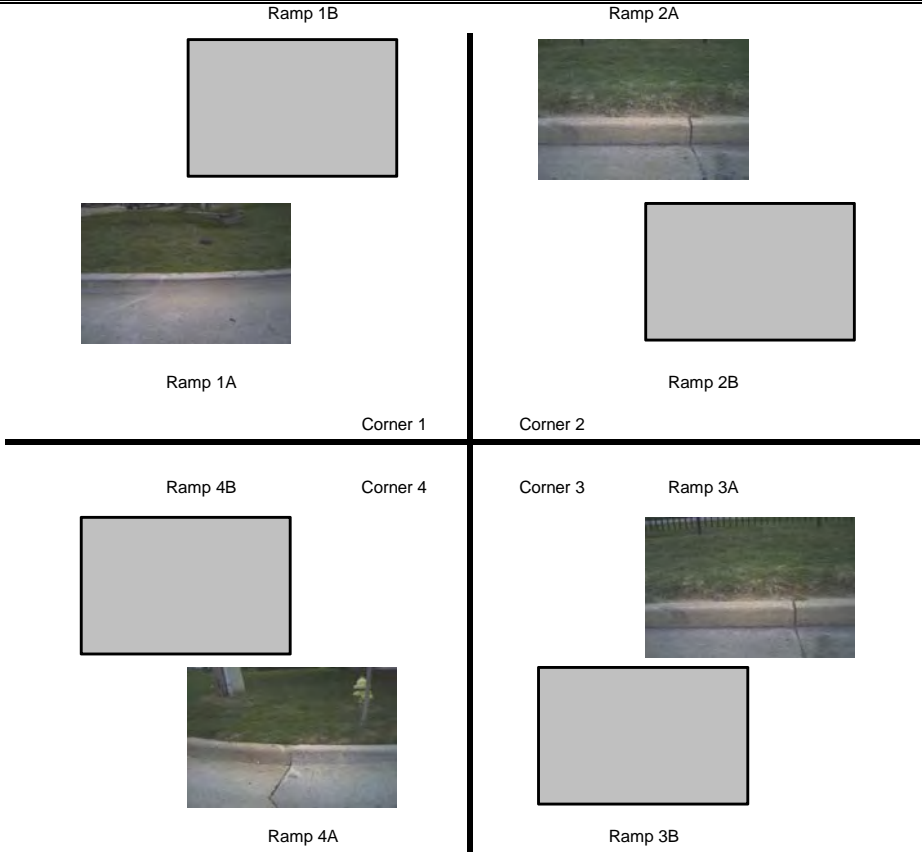
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 55th St and S Memorial Dr

GPS ID: 44022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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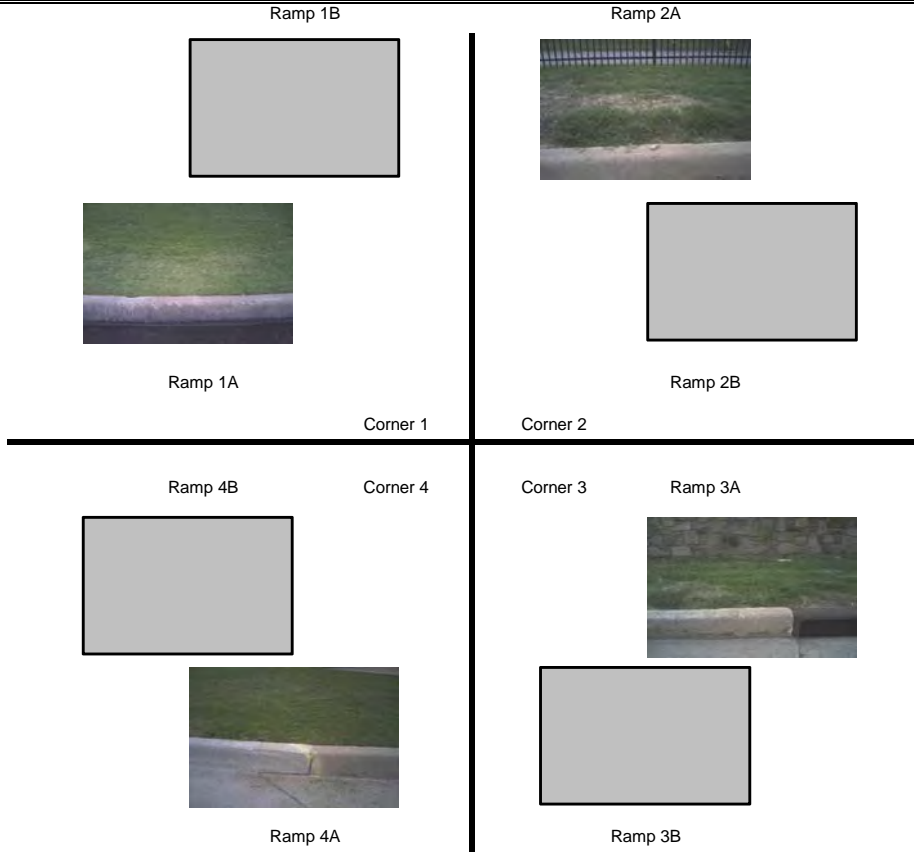
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 53rd St

GPS ID: 44023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 50th St

GPS ID: 44023A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	15,075.20
Engineering: (% +/-)	15%	\$	2,539.20
Contingency: (% +/-)	20%	\$	3,385.60
Estimated Project Cost:		\$	21,000.00

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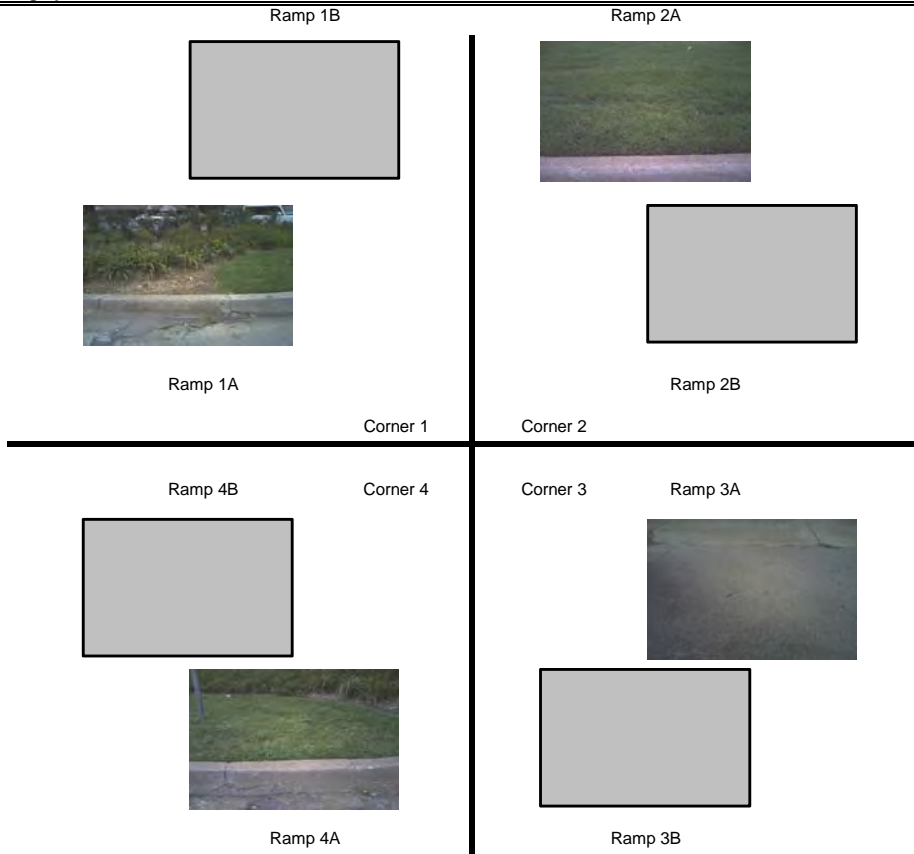
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 49th St (east)

GPS ID: 44024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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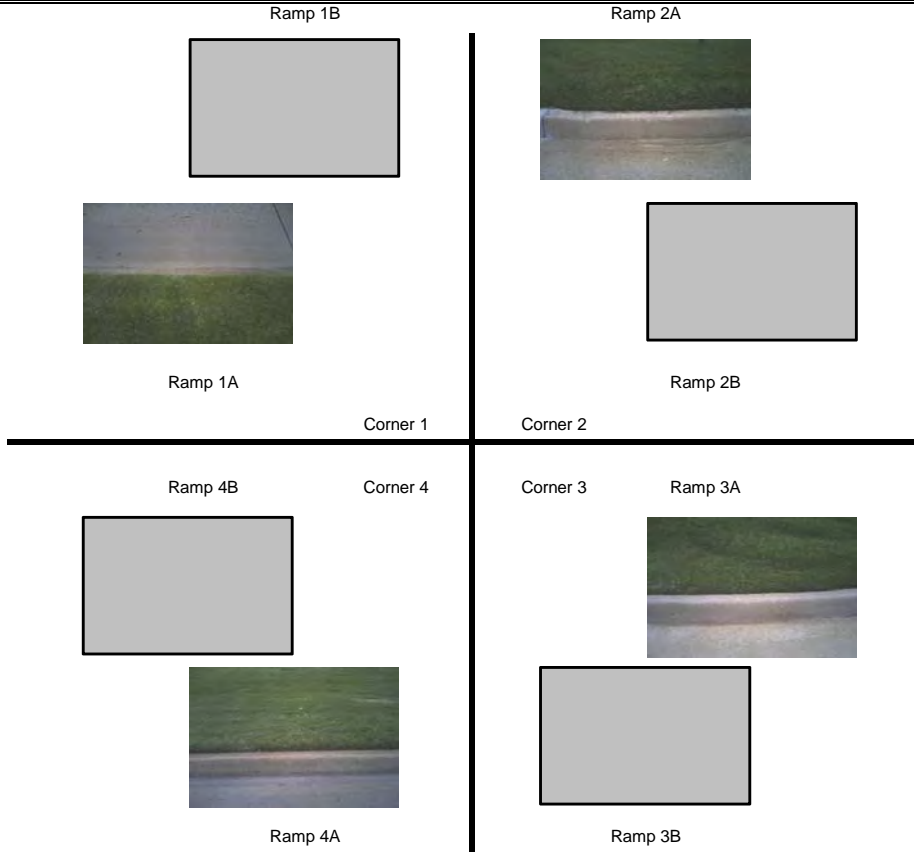
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 49th St (west)

GPS ID: 44025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:	\$	\$	14,000.00

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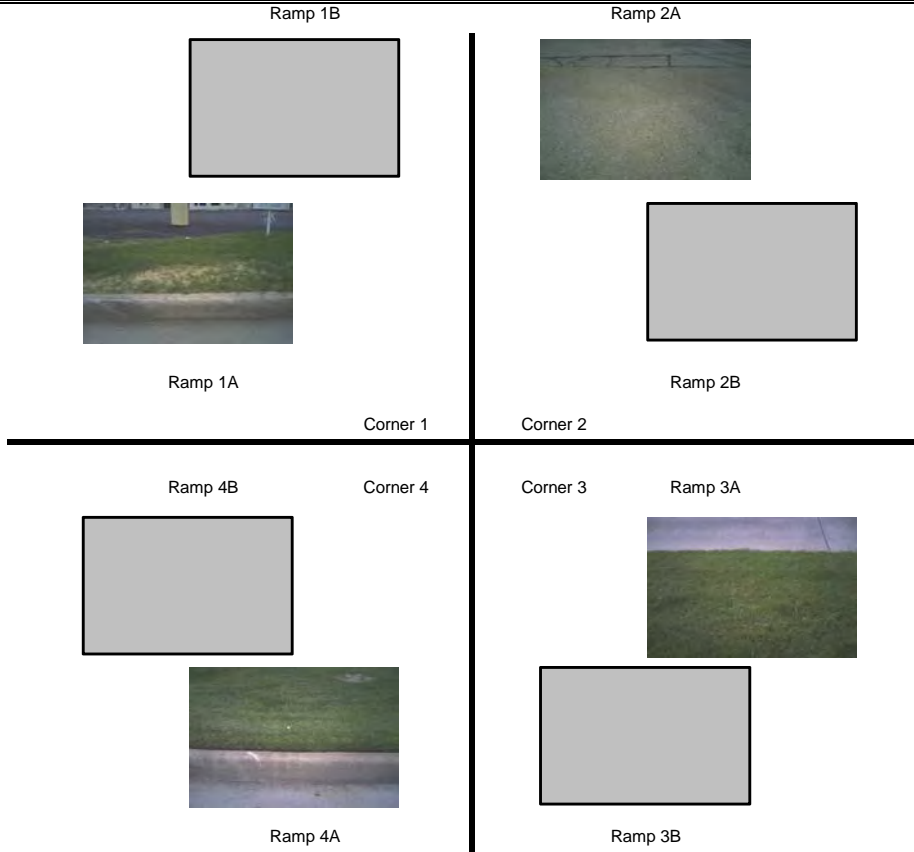
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 48th St

GPS ID: 44026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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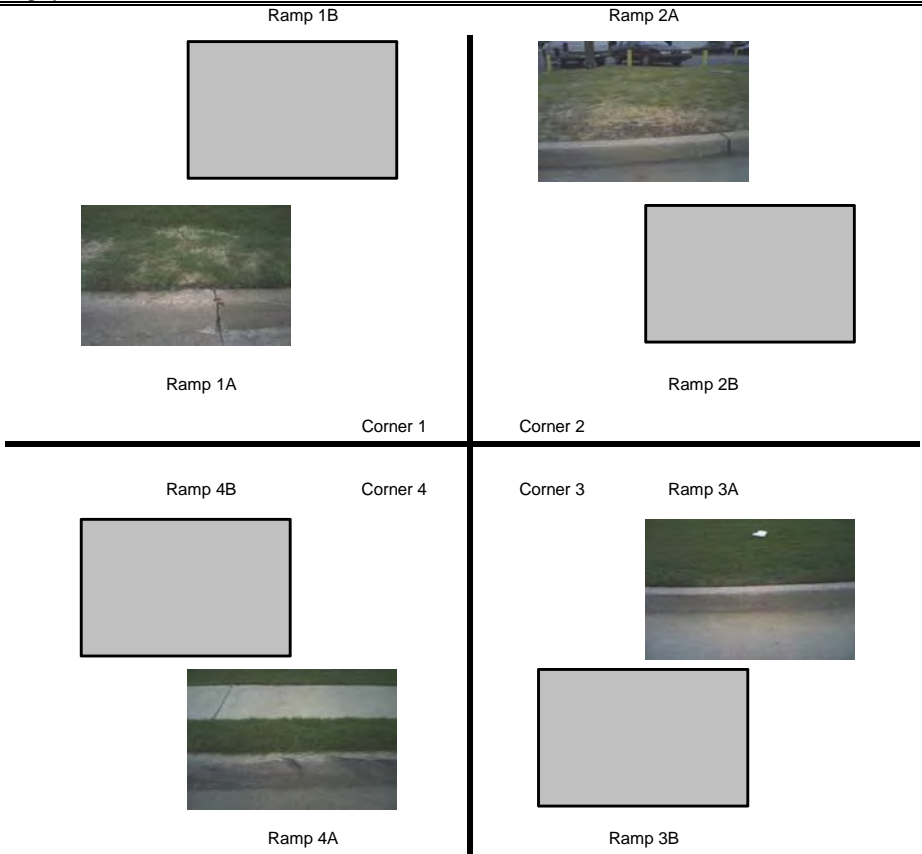
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 46th Pl and S Memorial Dr

GPS ID: 44027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	15,075.20
Engineering: (% +/-)	15%	\$	2,539.20
Contingency: (% +/-)	20%	\$	3,385.60
Estimated Project Cost:	\$	\$	21,000.00

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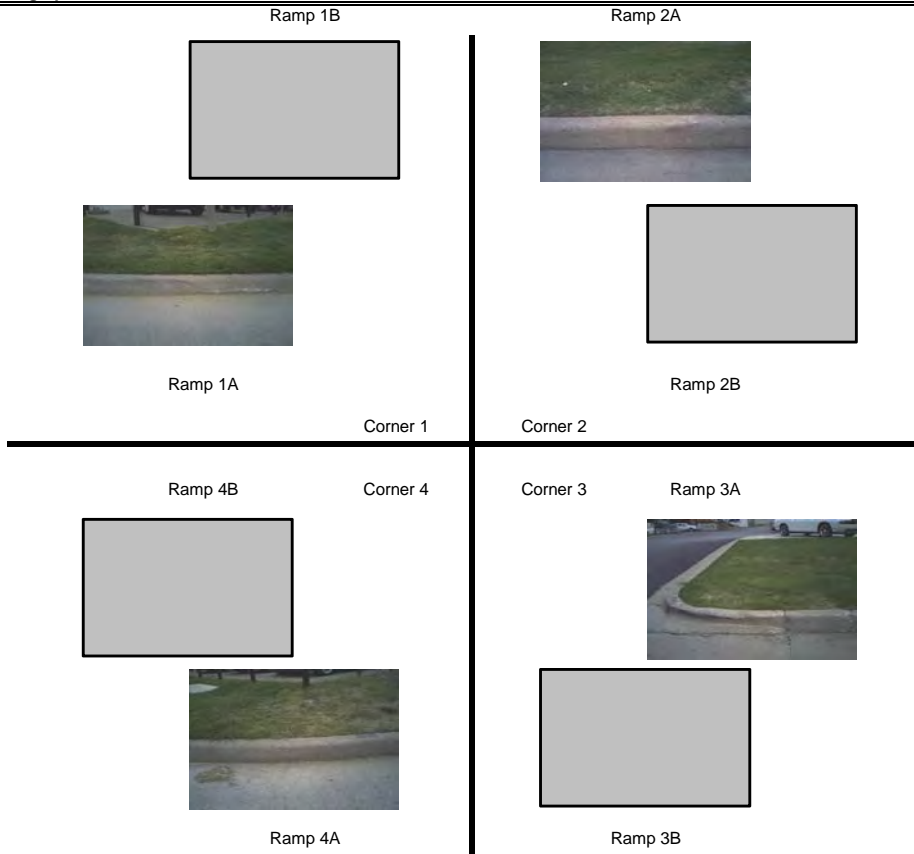
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	-	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 44th St

GPS ID: 44028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$ 1,586.74
Contingency: (% +/-)	20%	\$ 2,115.66
Estimated Project Cost:	\$	14,000.00

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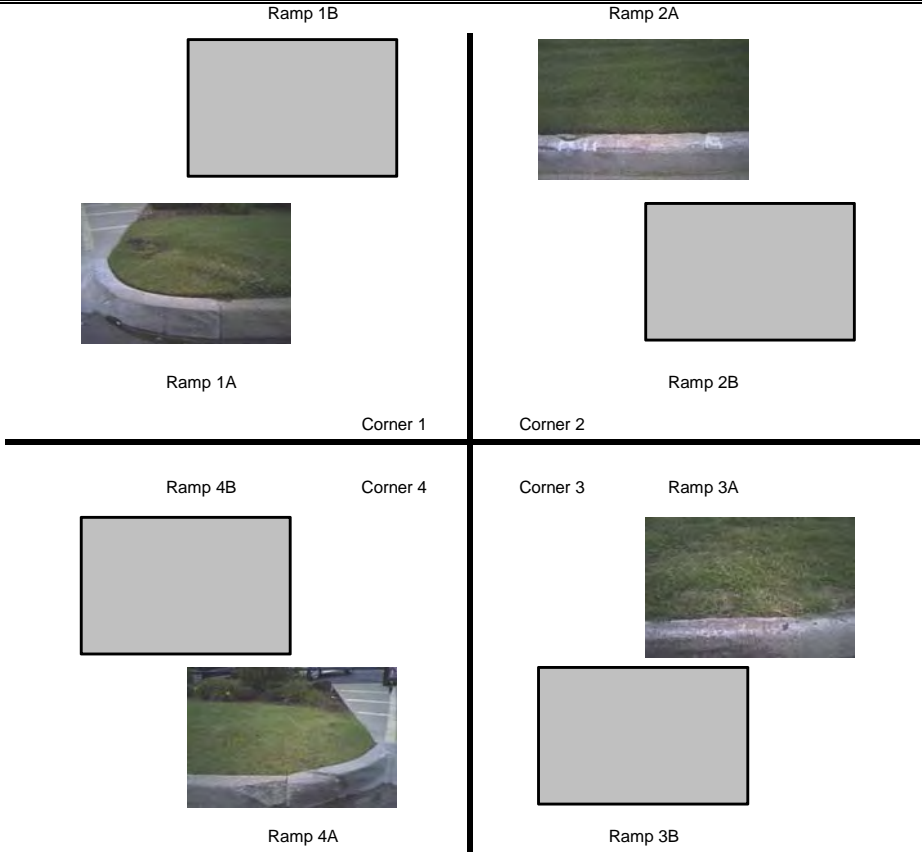
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H				



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of E 42nd Pl and S Memorial Dr GPS ID: 44029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	10,712.00
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,837.71
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 2,450.29
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

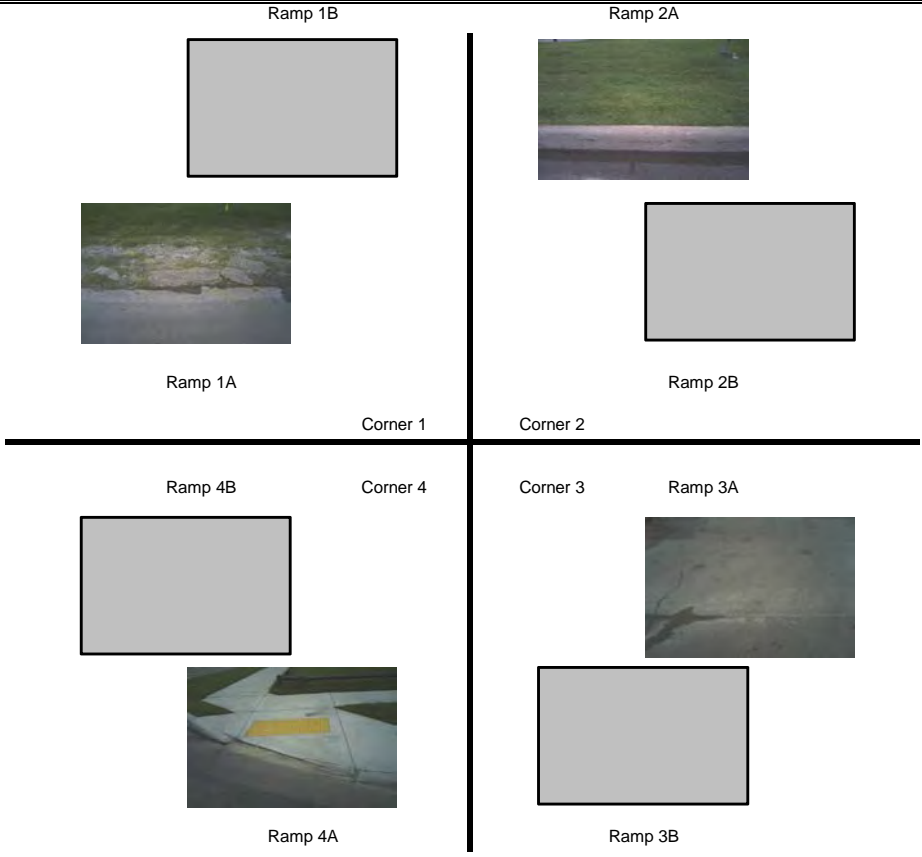
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 40th St and S Memorial Dr

GPS ID: 44030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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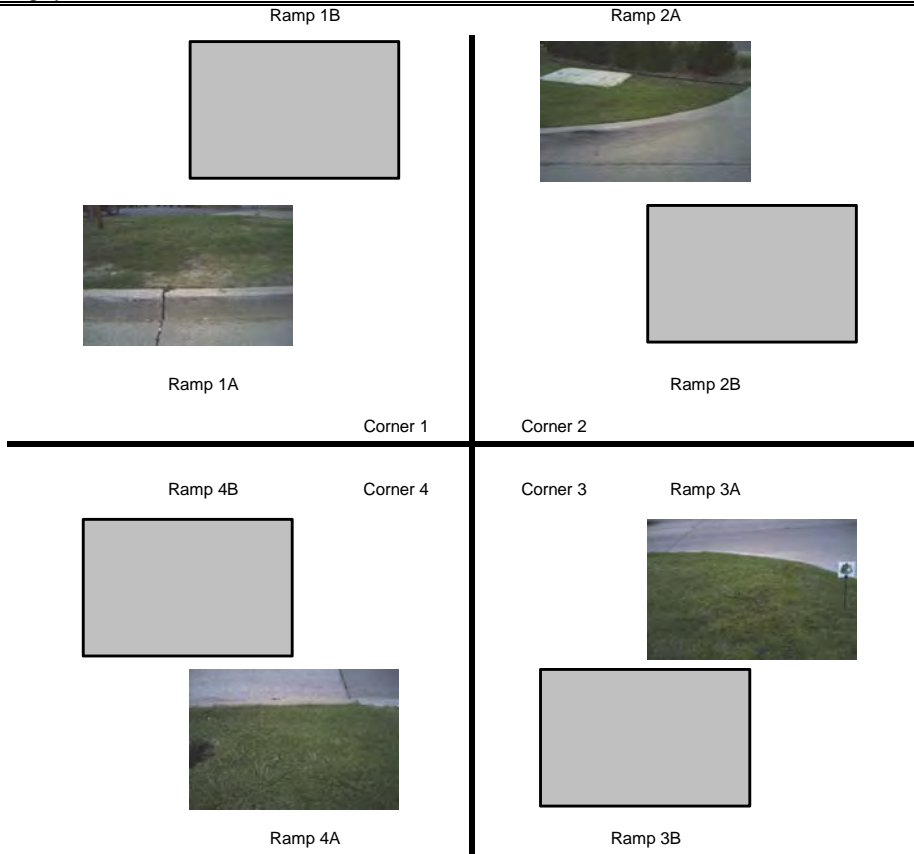
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 37th St

GPS ID: 44030A

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	15,817.60
Engineering: (% +/-)	15%	\$	2,649.60
Contingency: (% +/-)	20%	\$	3,532.80
Estimated Project Cost:	\$	\$	22,000.00

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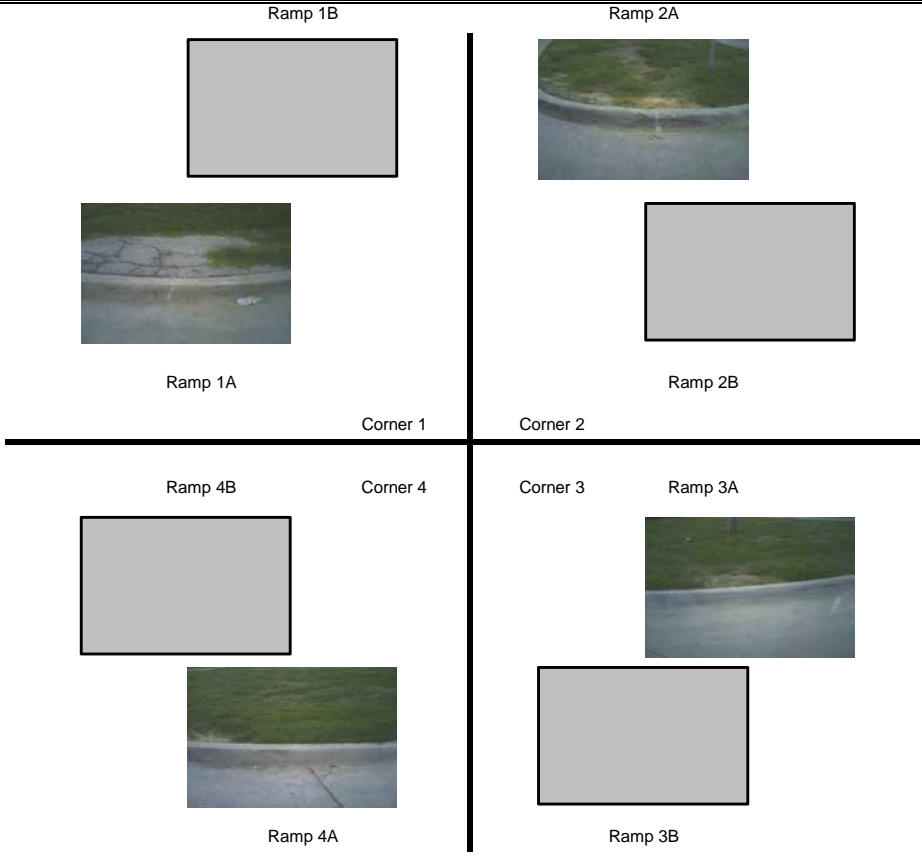
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 32nd St

GPS ID: 44030B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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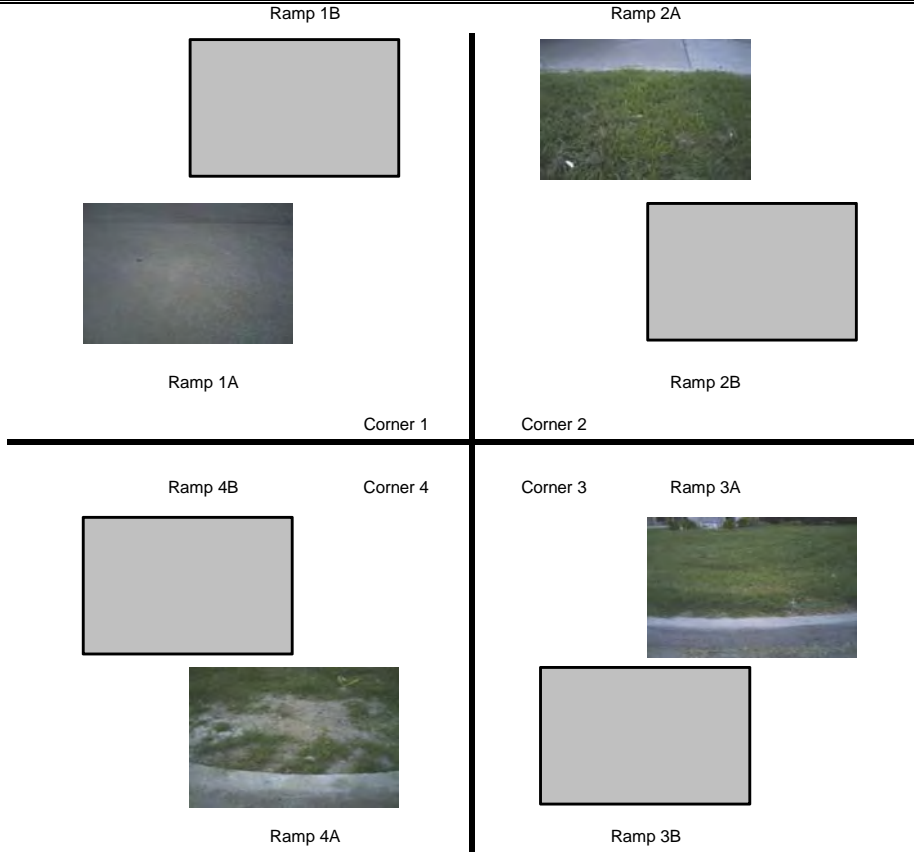
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 31st Ct

GPS ID: 44031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,297.60
Engineering: (% +/-)	15%	\$	1,586.74
Contingency: (% +/-)	20%	\$	2,115.66
Estimated Project Cost:		\$	14,000.00

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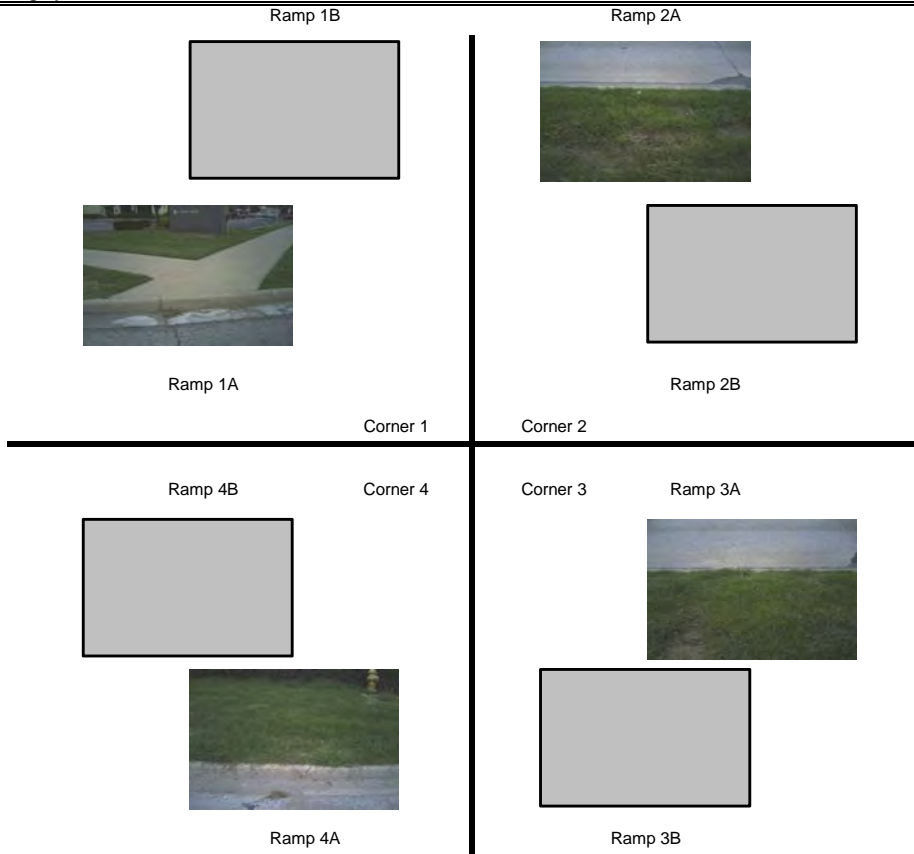
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 31st Pl

GPS ID: 44032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$	1,158.17
Contingency: (% +/-)	20%	\$	1,544.23
Estimated Project Cost:		\$	8,000.00

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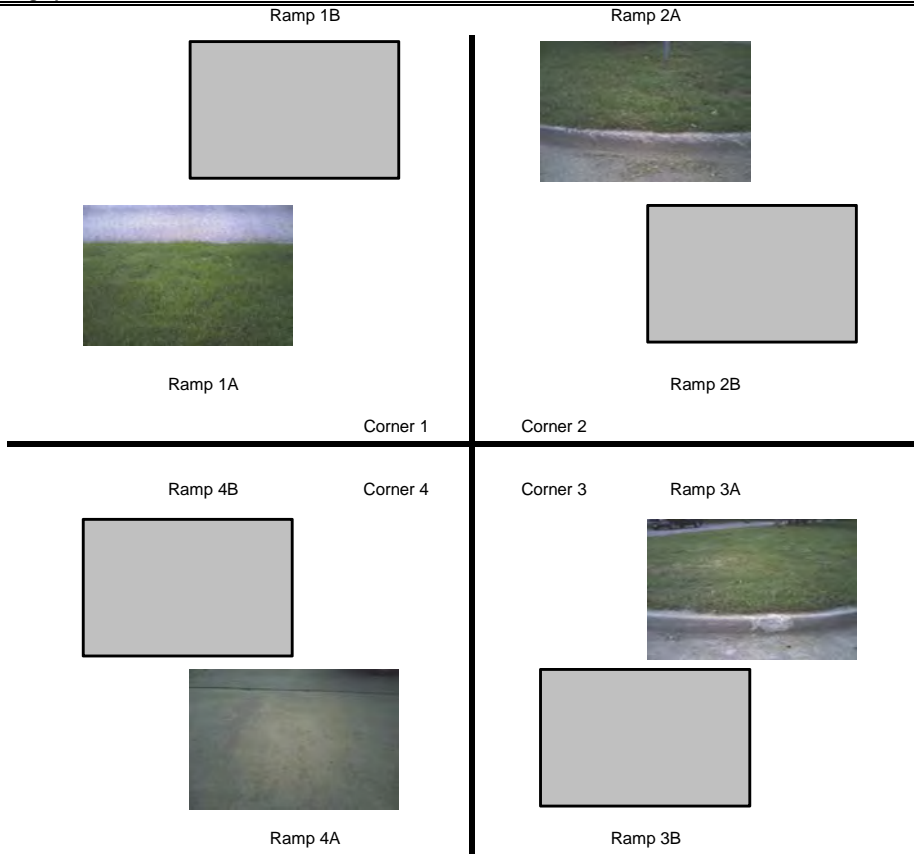
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and I-44 EB Entrance Ramp

GPS ID: 44033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,208.80
Engineering: (% +/-)	15%	\$ 767.66
Contingency: (% +/-)	20%	\$ 1,023.54
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

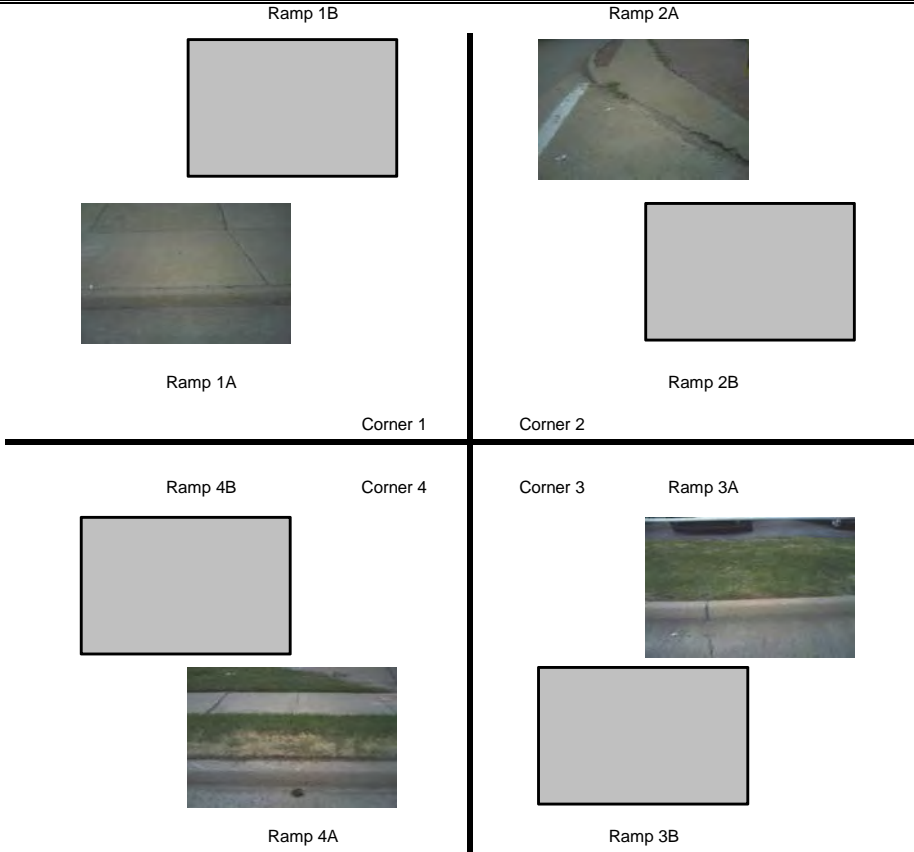
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	Worn	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp				X					Install colored truncated domes
No color contrast at base of ramp				X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp				X					Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-		M		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 27th Ct and S Memorial Dr

GPS ID: 44034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 40.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,623.20
Engineering: (% +/-)	15%	\$ 1,018.63
Contingency: (% +/-)	20%	\$ 1,358.17
Estimated Project Cost:	\$	8,000.00

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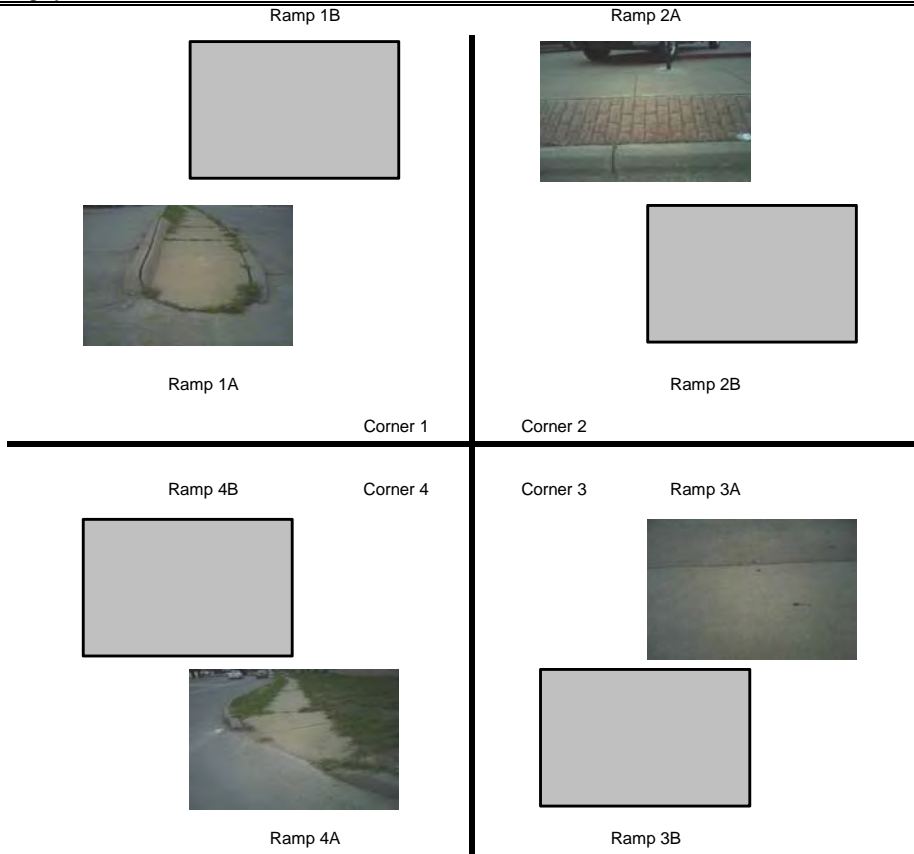
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"							X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 19th St

GPS ID: 44035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

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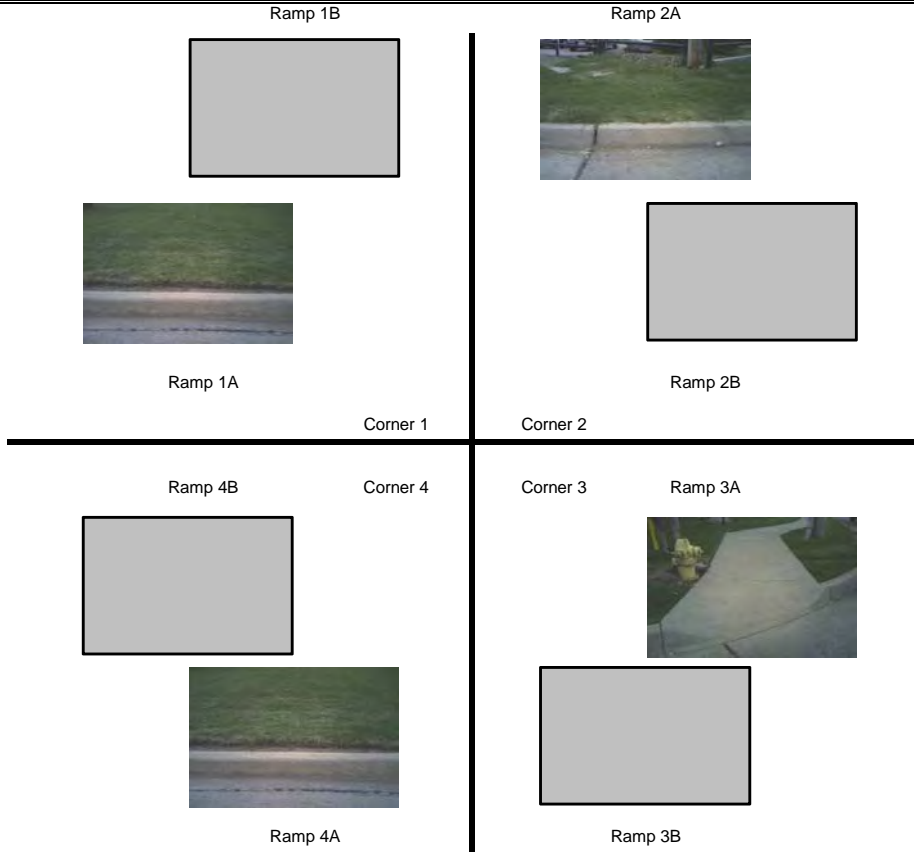
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Memorial Dr and E 9th St

GPS ID: 44036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,712.00
Engineering: (% +/-)	15%	\$ 980.57
Contingency: (% +/-)	20%	\$ 1,307.43
Estimated Project Cost:	\$	8,000.00

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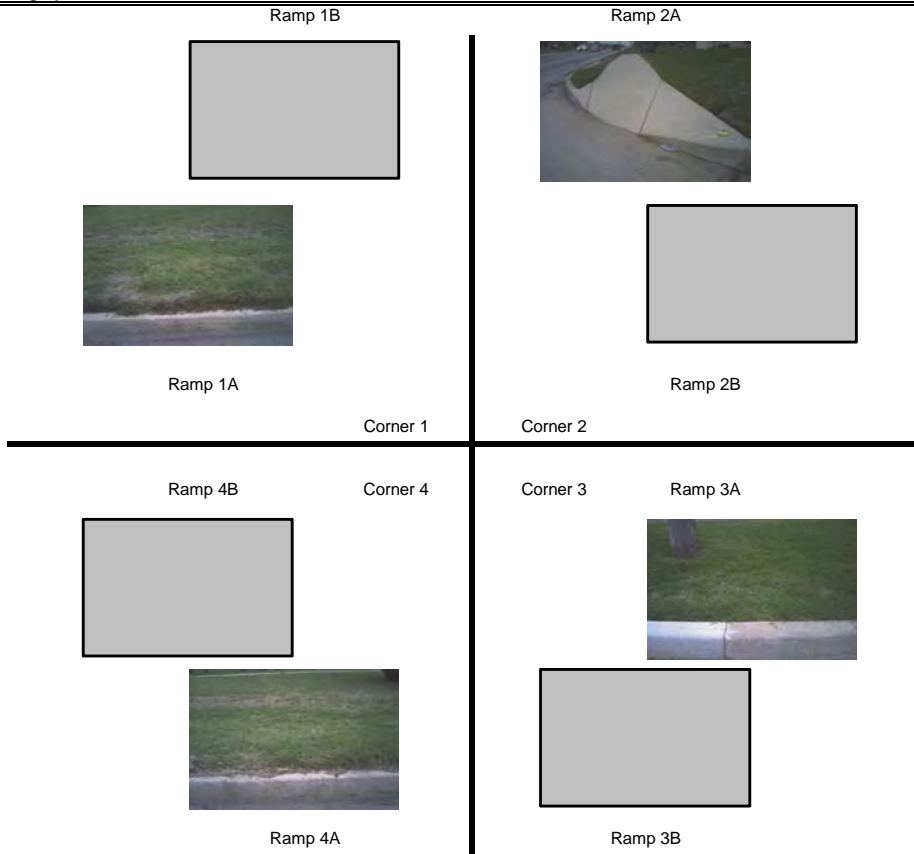
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Ave and E 89th St

GPS ID: 45000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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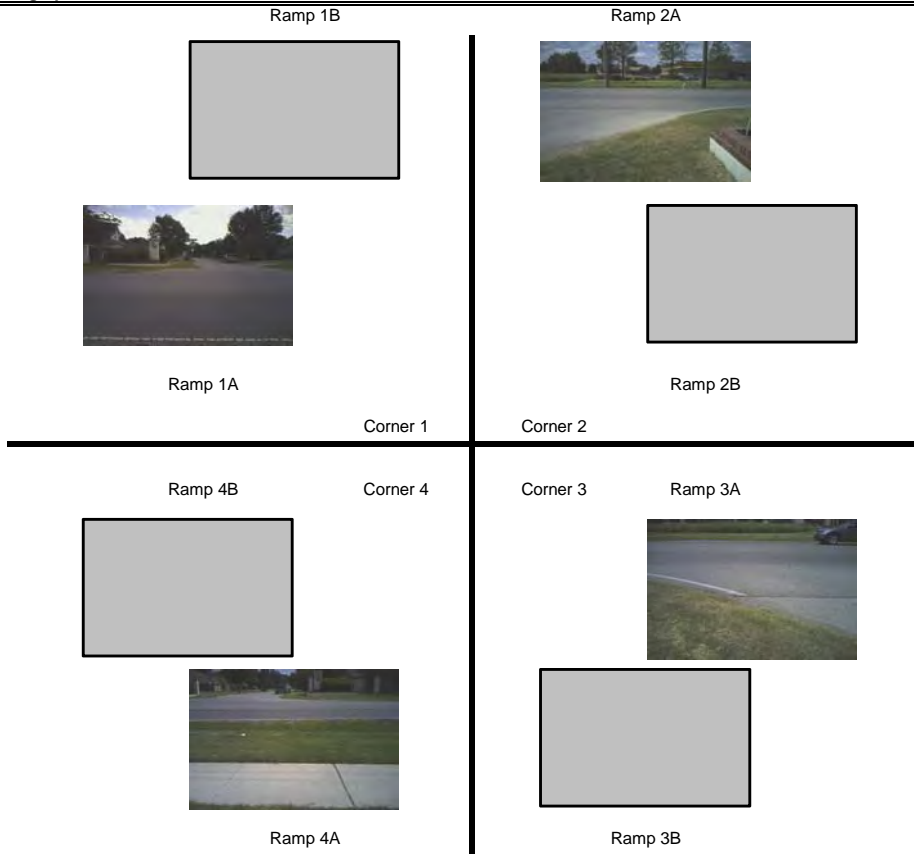
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Ave and E 90th St

GPS ID: 45001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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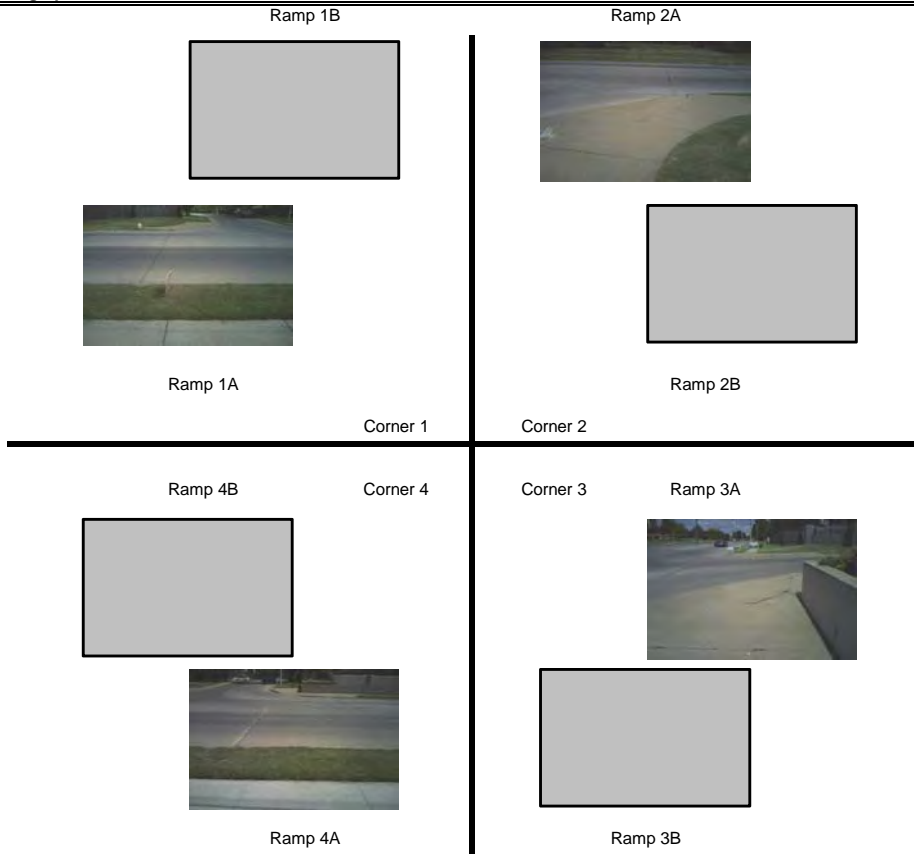
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H	H					



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Ave East and 93rd St

GPS ID: 45002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	11,000.00

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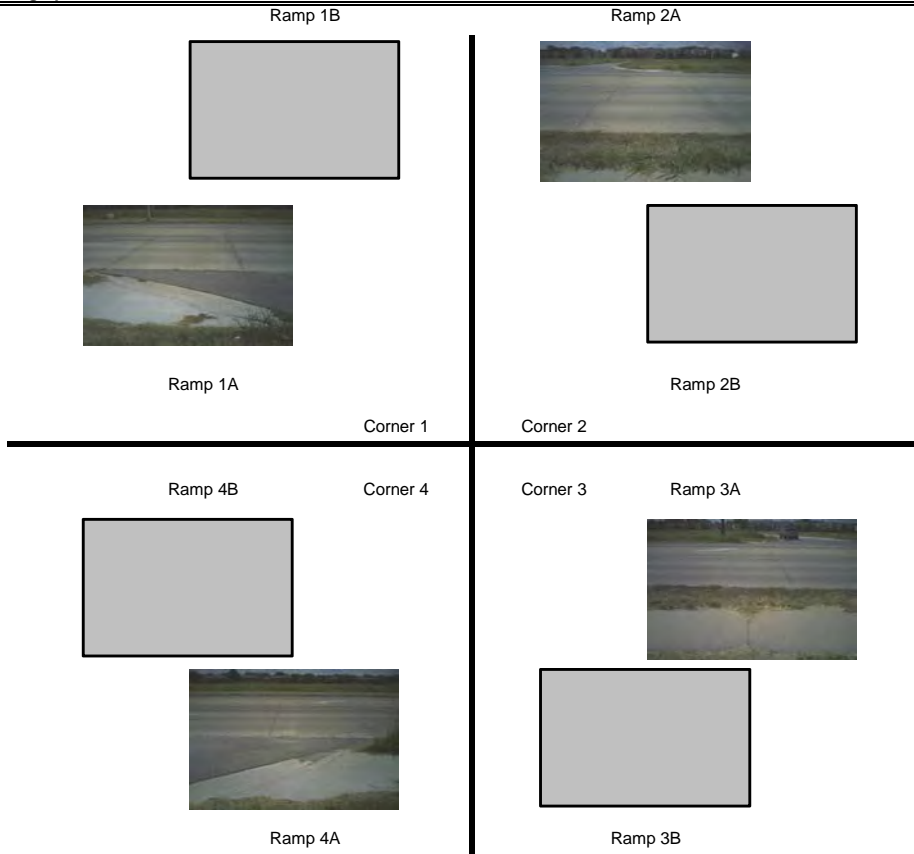
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X						X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H						H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Delaware Ave and E 95th St

GPS ID: 45003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,382.80
Engineering: (% +/-)	15%	\$ 2,407.37
Contingency: (% +/-)	20%	\$ 3,209.83
Estimated Project Cost:	\$	19,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

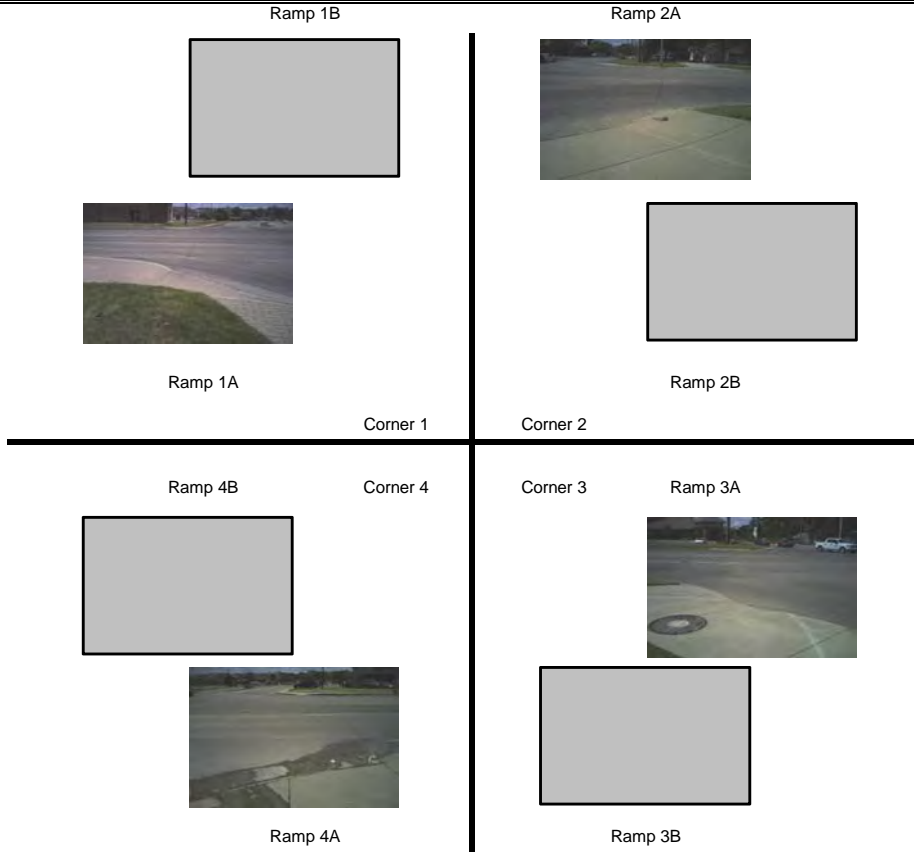
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X				X		X		Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H		M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Cheyenne Ave. at W. Fairview St.

GPS ID: 46000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,554.10
Engineering: (% +/-)	15%	\$ 2,762.53
Contingency: (% +/-)	20%	\$ 3,683.37
Estimated Project Cost:	\$	23,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

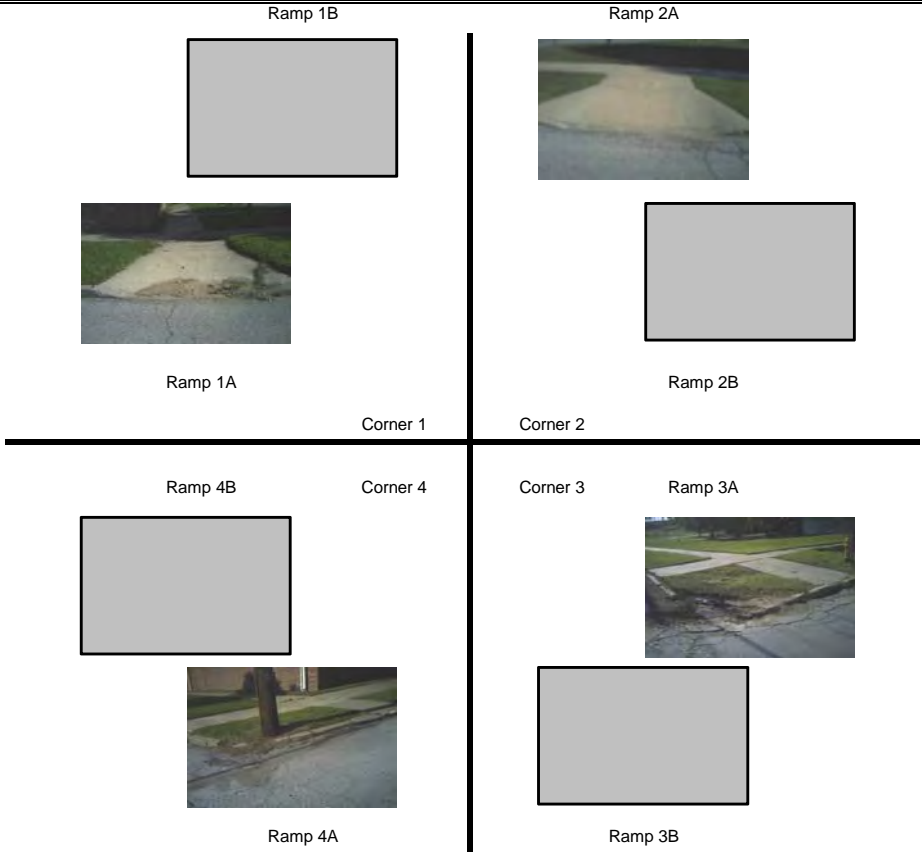
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	X	N/A	
Crosswalk striping	N/A	No	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk					X		X		
Ramp does not exist and is needed									Remove and replace ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp			X						
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Boulder Ave. at W. Fairview St.

GPS ID: 46001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	400	LF	\$ 6.50	\$ 2,600.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	38,155.20
Engineering: (% +/-)	15%	\$ 5,933.49
Contingency: (% +/-)	20%	\$ 7,911.31
Estimated Project Cost:	\$	52,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

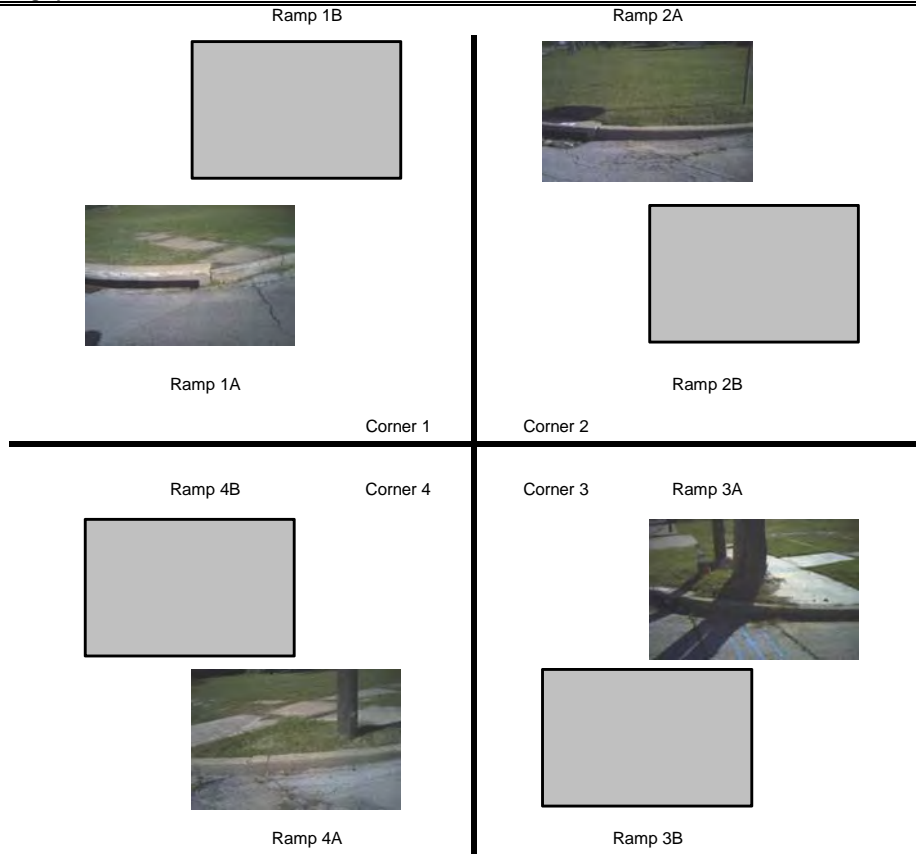
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	X	X	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



End of Project Description for Project 46001 Intersection of N. Boulder Ave. at W. Fairview St.

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Main St. at W. Fairview St.

GPS ID: 46002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	360	LF	\$ 6.50	\$ 2,340.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	37,895.20
Engineering: (% +/-)	15%	\$ 6,044.91
Contingency: (% +/-)	20%	\$ 8,059.89
Estimated Project Cost:	\$	52,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Boston Ave. at E. Fairview St.

GPS ID: 46003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	280	LF	\$ 6.50	\$ 1,820.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	39,204.00
Engineering: (% +/-)	15%	\$ 5,912.57
Contingency: (% +/-)	20%	\$ 7,883.43
Estimated Project Cost:	\$	53,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	X	X	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						
Flare cross slope is greater than 10%				X		X			Remove and replace ramp
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%					X	X			
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area							X		
No textured surface at base of ramp							X		
No color contrast at base of ramp							X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25'									
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of N. Cheyenne Ave. at W. Edison St. GPS ID: 46004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	200	LF	\$ 6.50	\$ 1,300.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	19,966.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 3,014.40
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 4,019.20
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	27,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

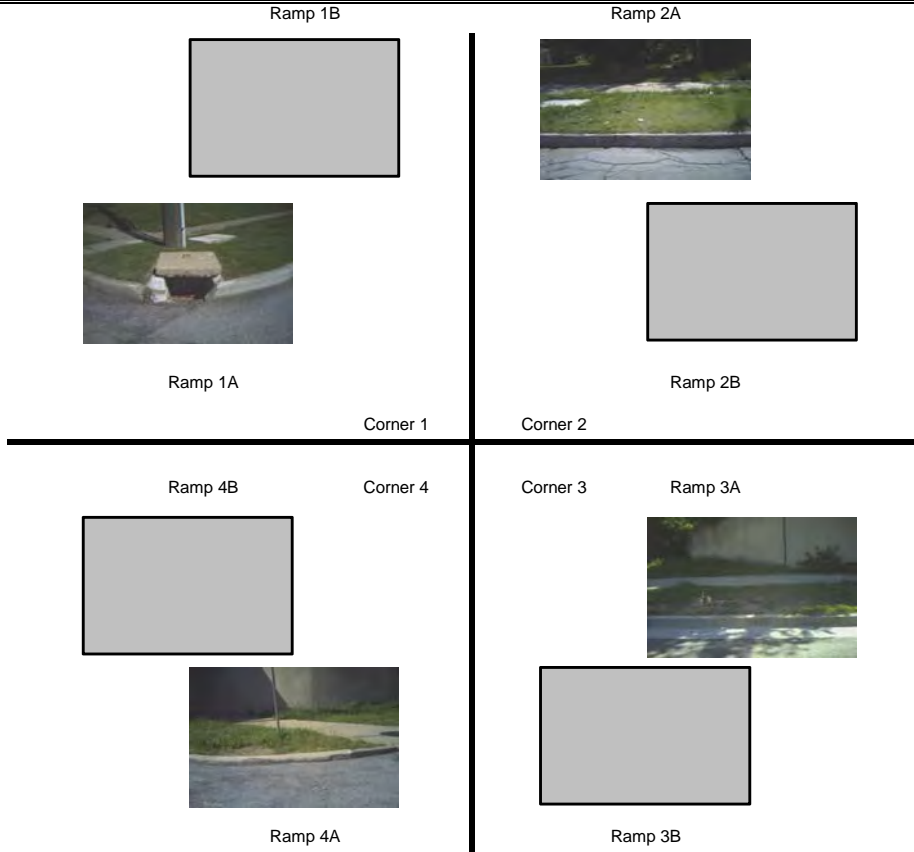
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Denver Ave. at W. Easton St.

GPS ID: 46005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	310	LF	\$ 6.50	\$ 2,015.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,561.20
Engineering: (% +/-)	15%	\$ 4,473.77
Contingency: (% +/-)	20%	\$ 5,965.03
Estimated Project Cost:	\$	38,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	X	N/A	
Crosswalk striping	No	No	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					Remove and replace ramp
Ramp cross slope is greater than 2%			X	X					
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Cheyenne Ave. at W. Easton St.

GPS ID: 46006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	360	LF	\$ 6.50	\$ 2,340.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	34,356.00
Engineering: (% +/-)	15%	\$ 5,418.86
Contingency: (% +/-)	20%	\$ 7,225.14
Estimated Project Cost:	\$	47,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Good	Danger	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X							
Ramp running slope is greater than 8.33%						X	X		
Ramp cross slope is greater than 2%	X	X			X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X							Install colored truncated domes
No color contrast at base of ramp	X	X							
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X			X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X	X		X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	L	L	M	M	L	C	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Boulder Ave. at W. Easton St.

GPS ID: 46007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	75.03	SY	\$ 10.00	\$ 750.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	75.03	SY	\$ 80.00	\$ 6,002.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	380	LF	\$ 6.50	\$ 2,470.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,632.60
Engineering: (% +/-)	15%	\$ 2,300.31
Contingency: (% +/-)	20%	\$ 3,067.09
Estimated Project Cost:	\$	20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X				X	X	
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%							X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M	M	H	M	C		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of N. Main St. at W. Easton St. GPS ID: 46008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	15,015.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15%	\$ 2,564.91
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20%	\$ 3,419.89
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	21,000.00

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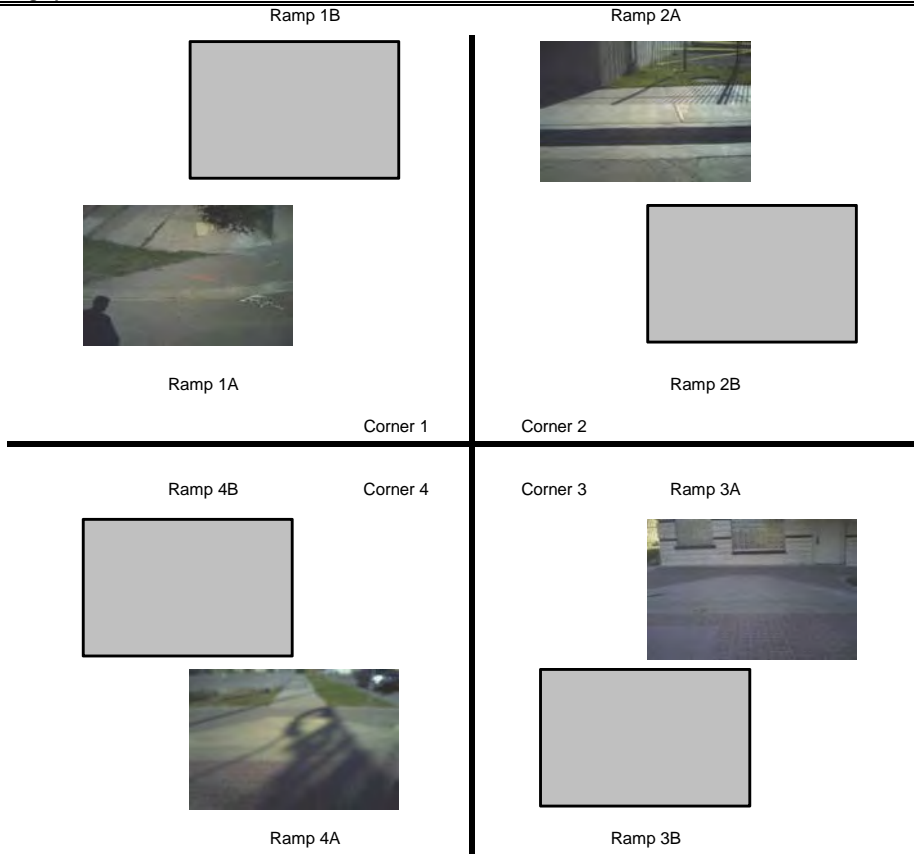
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	Yes	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"					X		X		
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H				M			H	



Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of N. Boston Ave. at E. Easton St. GPS ID: 46009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	264	LF	\$ 6.50	\$ 1,716.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	37,271.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 5,883.77
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 7,845.03
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	51,000.00

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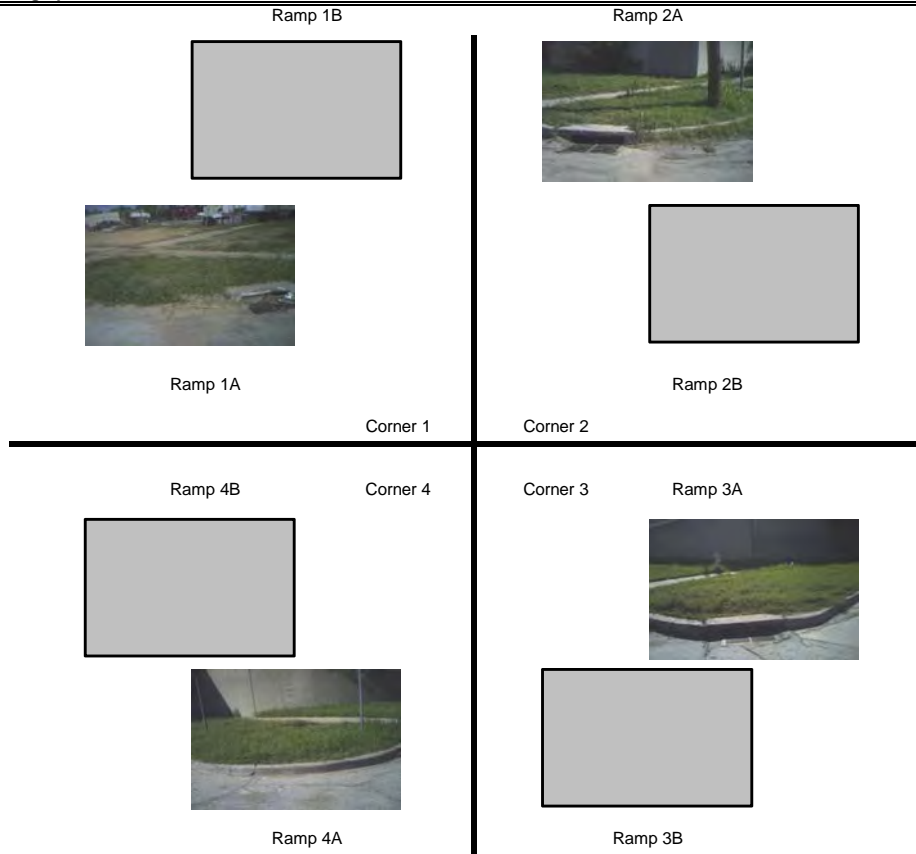
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	X	X	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Elgin Ave. at E. Easton St.

GPS ID: 46010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	200	LF	\$ 6.50	\$ 1,300.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	21,855.20
Engineering: (% +/-)	15%	\$ 3,490.63
Contingency: (% +/-)	20%	\$ 4,654.17
Estimated Project Cost:	\$	30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Elgin Ave. at E. John Hope Franklin Blvd.

GPS ID: 46011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	140	LF	\$ 6.50	\$ 910.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,708.50
Engineering: (% +/-)	15%	\$ 2,696.36
Contingency: (% +/-)	20%	\$ 3,595.14
Estimated Project Cost:	\$	22,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

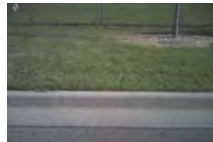
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	No	Worn	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry								X	Remove ramp
Ramp Priority:	-		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Denver Ave. at W. Cameron St.

GPS ID: 46012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	190	LF	\$ 6.50	\$ 1,235.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,478.00
Engineering: (% +/-)	15%	\$ 2,795.14
Contingency: (% +/-)	20%	\$ 3,726.86
Estimated Project Cost:	\$	23,000.00

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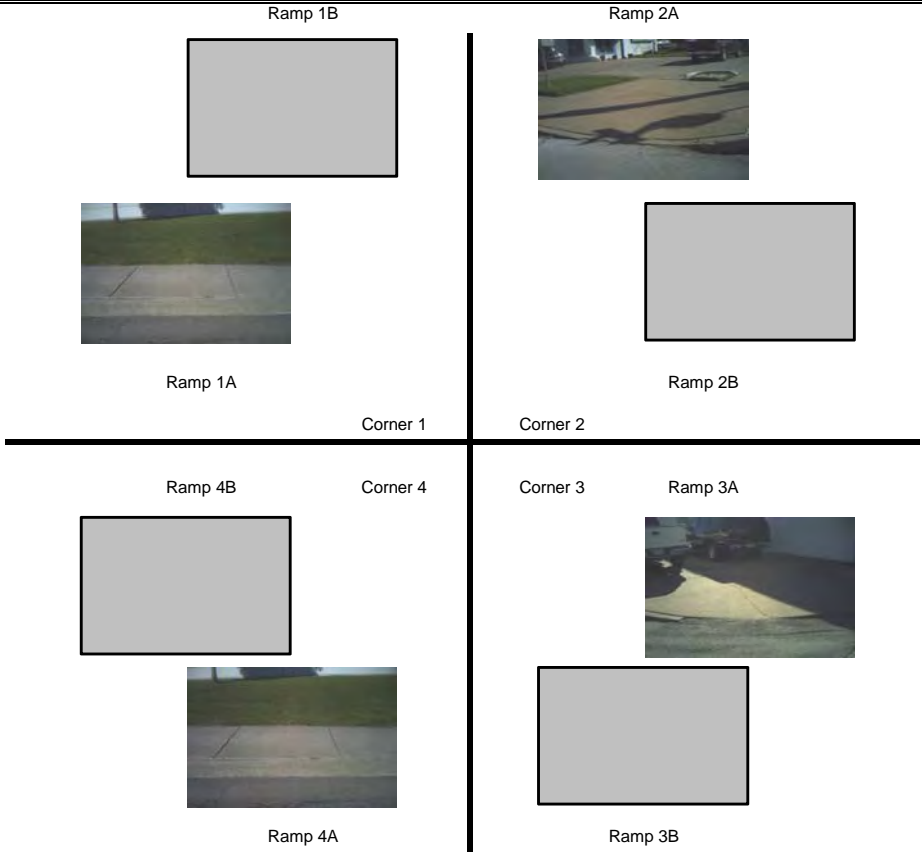
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Danger	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	X	N/A	N/A	
Crosswalk striping	No	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk	X								
Ramp does not exist and is needed			X						Remove and replace ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Install colored truncated domes
Ramp width is less than 36"									
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp			X		X				
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Regrade roadway
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist			X		X				
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Cheyenne Ave. at W. Cameron St.

GPS ID: 46013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	380	LF	\$ 6.50	\$ 2,470.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	41,157.20
Engineering: (% +/-)	15%	\$ 6,361.20
Contingency: (% +/-)	20%	\$ 8,481.60
Estimated Project Cost:	\$	56,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Danger	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%					X	X	X		
Ramp running slope is greater than 8.33%					X	X	X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X	X	X		Install colored truncated domes
No color contrast at base of ramp					X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Boulder Ave. at W. Cameron St.

GPS ID: 46014

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	77.77	SY	\$ 10.00	\$ 777.70
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	77.77	SY	\$ 80.00	\$ 6,221.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	420	LF	\$ 6.50	\$ 2,730.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	32,852.40
Engineering: (% +/-)	15%	\$ 5,206.11
Contingency: (% +/-)	20%	\$ 6,941.49
Estimated Project Cost:	\$	45,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	Worn	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X		X	X	X	X	X	X	
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X					X			Regrade roadway
Ponding occurs at base of ramp	X					X			
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Main St. at E. Cameron St.

GPS ID: 46015

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	430	LF	\$ 6.50	\$ 2,795.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	30,067.80
Engineering: (% +/-)	15%	\$ 4,685.23
Contingency: (% +/-)	20%	\$ 6,246.97
Estimated Project Cost:	\$	41,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	X	
Crosswalk striping	Worn	Worn	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Remove and replace ramp
Flare cross slope is greater than 10%	X	X							
Ramp running slope is greater than 8.33%	X	X							
Ramp cross slope is greater than 2%			X						Install landing area
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									Install landing area
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X							
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Boston Ave. at E. Cameron St.

GPS ID: 46016

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	370	LF	\$ 6.50	\$ 2,405.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,960.20
Engineering: (% +/-)	15%	\$ 4,302.77
Contingency: (% +/-)	20%	\$ 5,737.03
Estimated Project Cost:	\$	38,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

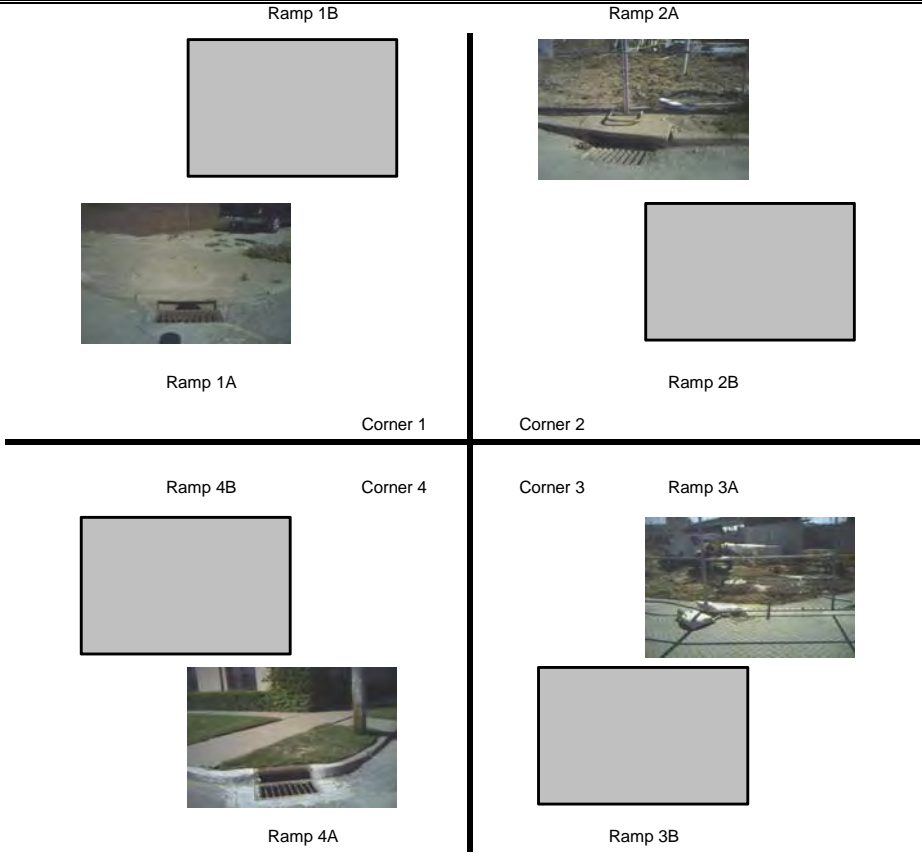
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	X	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Cincinnati Ave. at E. Cameron St.

GPS ID: 46017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	370	LF	\$ 6.50	\$ 2,405.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,092.20
Engineering: (% +/-)	15%	\$ 4,246.20
Contingency: (% +/-)	20%	\$ 5,661.60
Estimated Project Cost:	\$	37,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	X	-	-	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%	X		X	X					
Ramp running slope is greater than 8.33%	X		X	X					
Ramp cross slope is greater than 2%	X		X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X		X						Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Detroit Ave. at E. Cameron St.

GPS ID: 46018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	10,250.80
Engineering: (% +/-)	15%	\$	1,606.80
Contingency: (% +/-)	20%	\$	2,142.40
Estimated Project Cost:		\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

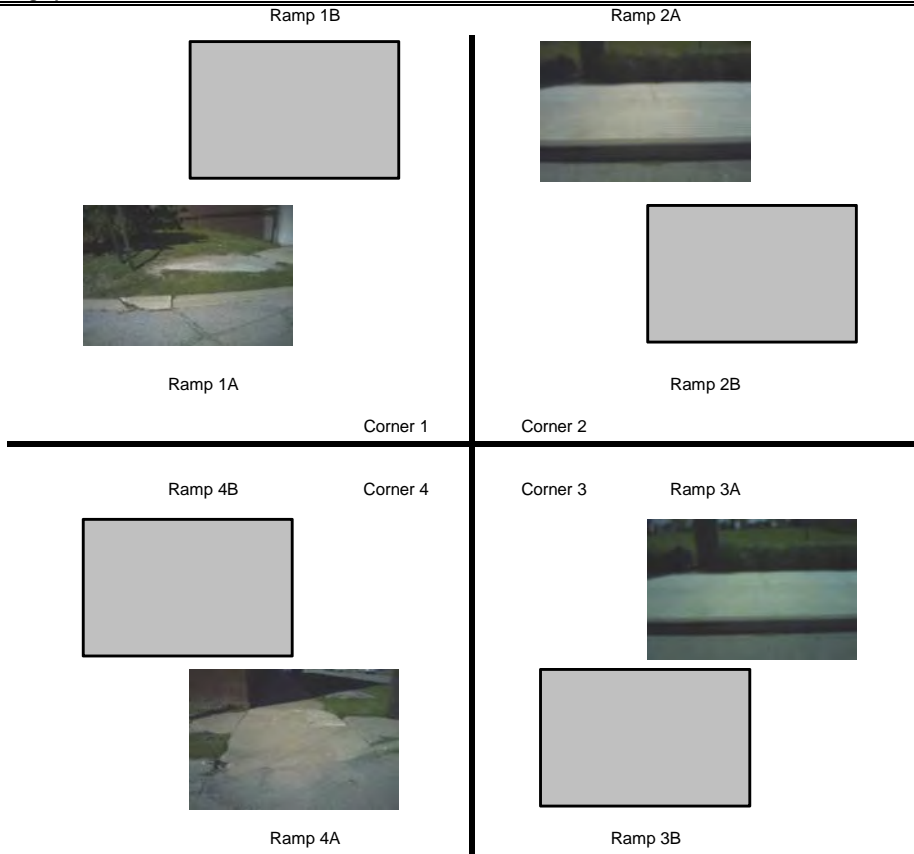
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X				Install handicap ramp
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Denver Ave. at W. Brady St.

GPS ID: 46019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	360	LF	\$ 6.50	\$ 2,340.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	42,856.00
Engineering: (% +/-)	15%	\$ 6,490.29
Contingency: (% +/-)	20%	\$ 8,653.71
Estimated Project Cost:	\$	58,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Danger	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	X	
Crosswalk striping	No	Worn	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%			X		X			X	
Ramp cross slope is greater than 2%	X		X					X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X	X	
No color contrast at base of ramp	X		X		X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X	X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						
Ponding occurs at base of ramp								X	
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Cheyenne Ave. at W. Brady St.

GPS ID: 46020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	450	LF	\$ 6.50	\$ 2,925.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	42,026.60
Engineering: (% +/-)	15%	\$ 6,417.17
Contingency: (% +/-)	20%	\$ 8,556.23
Estimated Project Cost:	\$	57,000.00

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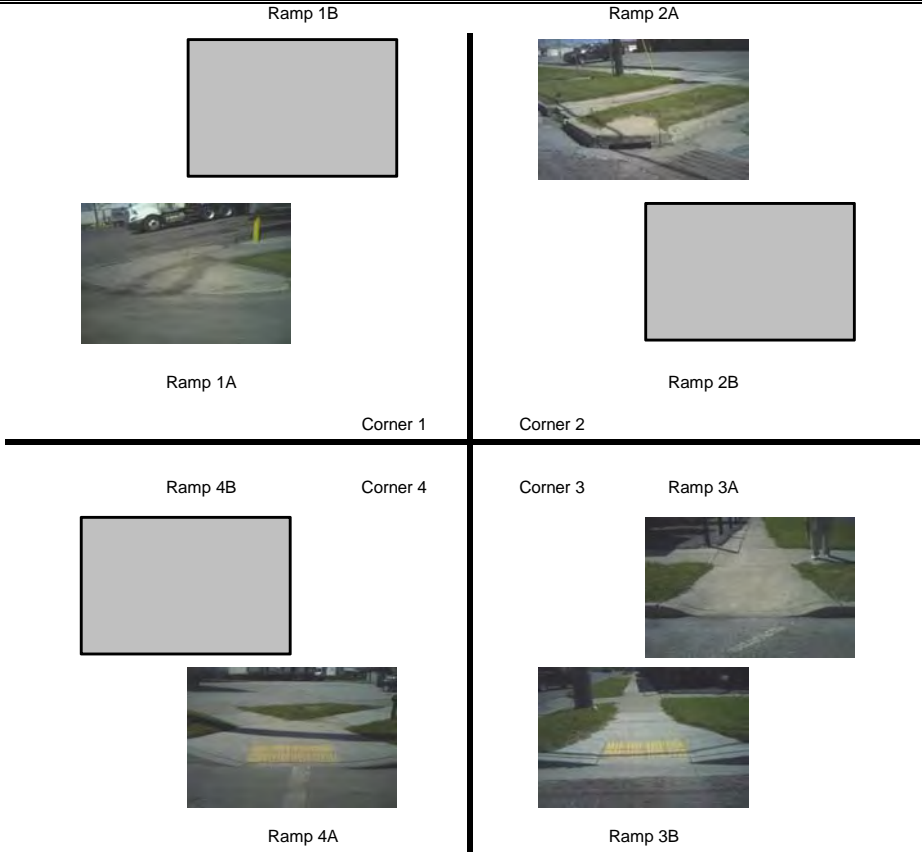
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%	X				X	X			
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X				Install colored truncated domes
No color contrast at base of ramp	X				X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X	X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H	H	M		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Boulder Ave. at W. Brady St. GPS ID: 46021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	77.77	SY	\$ 10.00	\$ 777.70
2	REMOVING CONC (WHEELCHAIR RAMP)	70.77	SY	\$ 30.00	\$ 2,123.10
3	CONCRETE SIDEWALK (SD-1) (4")	77.77	SY	\$ 80.00	\$ 6,221.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	7	EA	\$ 1,500.00	\$ 10,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$ 25,402.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 4,113.26
<input type="checkbox"/> Preliminary Design		Contingency:(% +/-)	20% \$ 5,484.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 35,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	X	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	C	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A

Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A

Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Main St. at E. Brady St.

GPS ID: 46022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	77.77	SY	\$ 80.00	\$ 6,221.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	380	LF	\$ 6.50	\$ 2,470.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	5	LS	\$ 1,000.00	\$ 5,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	38,178.00
Engineering: (% +/-)	15%	\$ 5,923.71
Contingency: (% +/-)	20%	\$ 7,898.29
Estimated Project Cost:	\$	52,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X	X	X	X			X	X	
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X	X		X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X			X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X			X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X	X	X			X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of N. Boston Ave. at E. Brady St. GPS ID: 46023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	330	LF	\$ 6.50	\$ 2,145.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	29,135.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 4,656.26
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 6,208.34
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	40,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Good	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Worn	No	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X	X					X	X	
Ramp running slope is greater than 8.33%	X	X						X	
Ramp cross slope is greater than 2%		X							Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X					X	X	Install colored truncated domes
No color contrast at base of ramp	X	X					X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X							Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X						X	X	Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Cincinnati Ave. at E. Brady St.

GPS ID: 46024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	370	LF	\$ 6.50	\$ 2,405.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

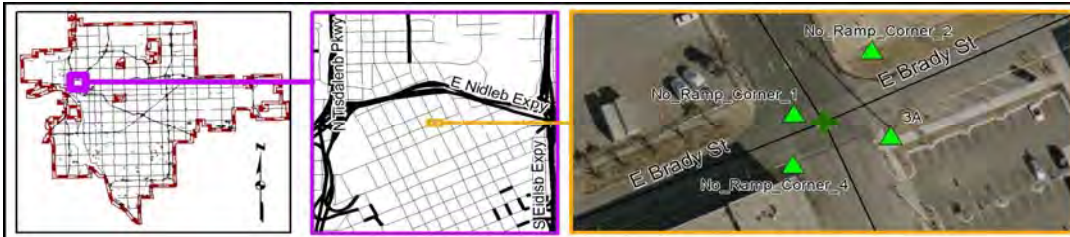
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	15,322.40
Engineering: (% +/-)	15%	\$ 2,433.26
Contingency: (% +/-)	20%	\$ 3,244.34
Estimated Project Cost:	\$	21,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

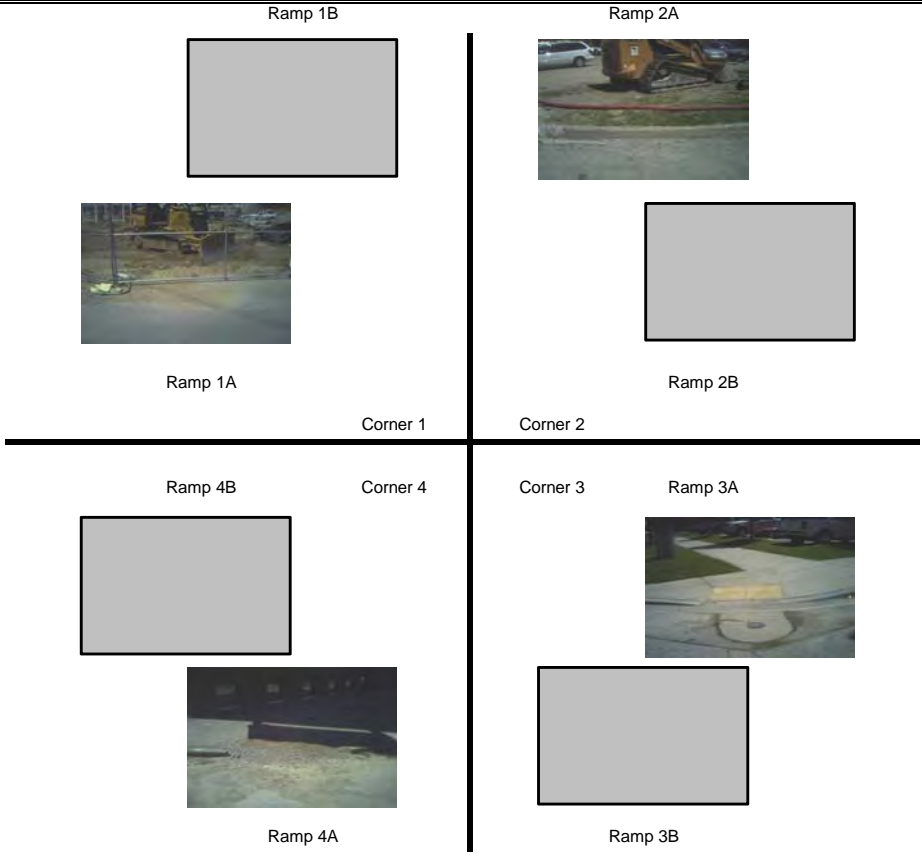
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Worn	No	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Detroit Ave. at E. Brady St.

GPS ID: 46025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	27.8	SY	\$ 10.00	\$ 278.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	38.91	SY	\$ 80.00	\$ 3,112.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	390	LF	\$ 6.50	\$ 2,535.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,925.80
Engineering: (% +/-)	15%	\$ 3,888.94
Contingency: (% +/-)	20%	\$ 5,185.26
Estimated Project Cost:	\$	34,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

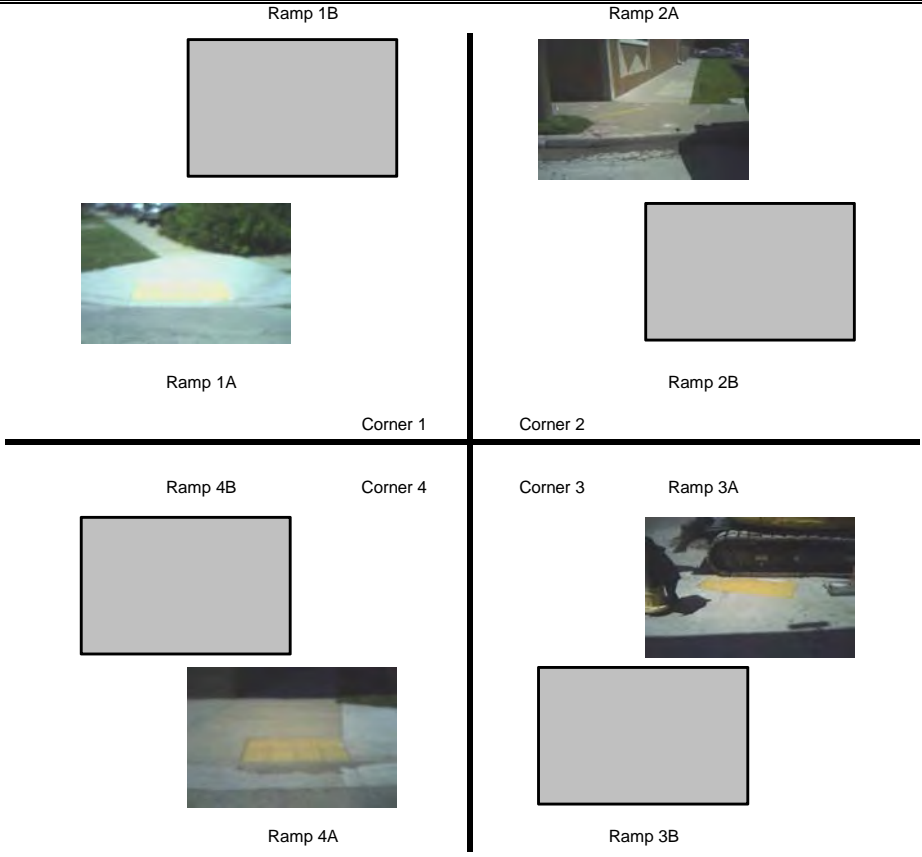
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		M		L		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Elgin Ave. at E. Brady St.

GPS ID: 46026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	3,409.80
Engineering: (% +/-)	15%	\$ 681.51
Contingency: (% +/-)	20%	\$ 908.69
Estimated Project Cost:	\$	5,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry		X	X						Remove ramp
Ramp Priority:	H	H	C		C		C	C	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Cheyenne Ave. at W. Archer St.

GPS ID: 46027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	69.45	SY	\$ 10.00	\$ 694.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	69.45	SY	\$ 80.00	\$ 5,556.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	320	LF	\$ 6.50	\$ 2,080.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	20	SF	\$ 30.00	\$ 600.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	33,447.00
Engineering: (% +/-)	15%	\$ 5,379.86
Contingency: (% +/-)	20%	\$ 7,173.14
Estimated Project Cost:	\$	46,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Good	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Worn	No	Worn	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X		X	X			Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X				
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X		X	X			Install colored truncated domes
No color contrast at base of ramp	X	X	X		X	X			
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X	X	X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X	X			X	X			Regrade roadway
Ponding occurs at base of ramp	X	X			X	X			
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Boston Ave. at E. Archer St.

GPS ID: 46028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	8,671.90
Engineering: (% +/-)	15%	\$ 1,426.33
Contingency: (% +/-)	20%	\$ 1,901.77
Estimated Project Cost:	\$	12,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

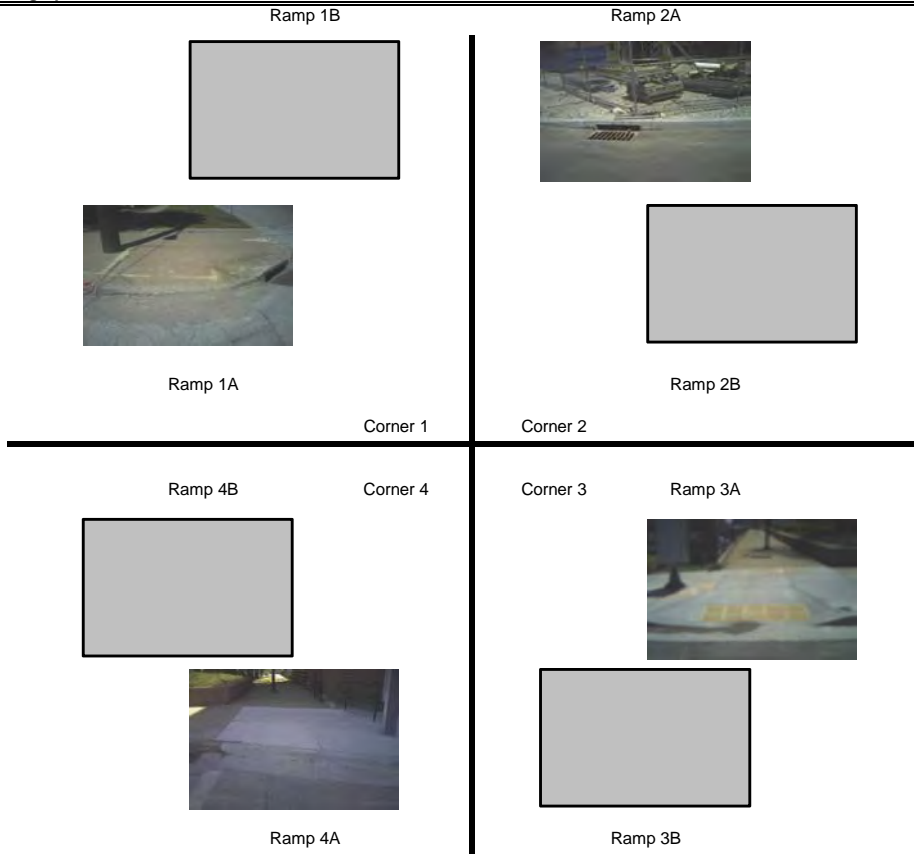
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	-	
Crosswalk striping	No	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Elgin Ave. at E. Archer St.

GPS ID: 46029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,212.80
Engineering: (% +/-)	15%	\$ 2,051.66
Contingency: (% +/-)	20%	\$ 2,735.54
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X					X	
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2'									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	M	C	H	C	L	C		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Frankfort Ave. at E. Archer St.

GPS ID: 46030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,713.00
Engineering: (% +/-)	15%	\$ 1,408.71
Contingency: (% +/-)	20%	\$ 1,878.29
Estimated Project Cost:	\$	11,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	-	N/A	
Crosswalk striping	N/A	Yes	Yes	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X		X				Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X							X	Remove ramp
Ramp Priority:	M		H		M			C	L

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N. Greenwood Ave. at E. Archer St.

GPS ID: 46031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,212.80
Engineering: (% +/-)	15%	\$ 2,908.80
Contingency: (% +/-)	20%	\$ 3,878.40
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X			X	Remove and replace ramp
Ramp cross slope is greater than 2%	X		X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H			M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma Date: 6/26/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of S. Frisco Ave. at W. 1st St. GPS ID: 46032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	7,133.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,228.46
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,637.94
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

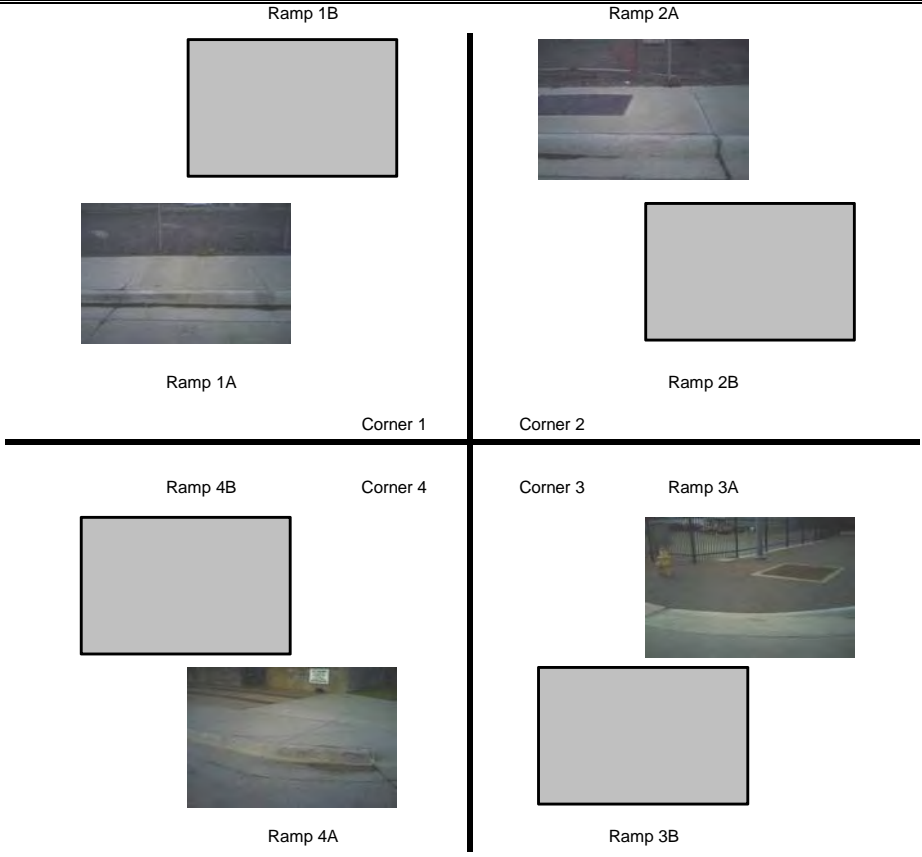
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		M		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Elwood Ave. at W. 1st St.

GPS ID: 46033

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,297.00
Engineering: (% +/-)	15%	\$ 2,015.57
Contingency: (% +/-)	20%	\$ 2,687.43
Estimated Project Cost:	\$	17,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp	X								Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	L		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Greenwood Ave. at E. 1st St.

GPS ID: 46034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	330	LF	\$ 6.50	\$ 2,145.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	33,357.80
Engineering: (% +/-)	15%	\$ 5,418.09
Contingency: (% +/-)	20%	\$ 7,224.11
Estimated Project Cost:	\$	46,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

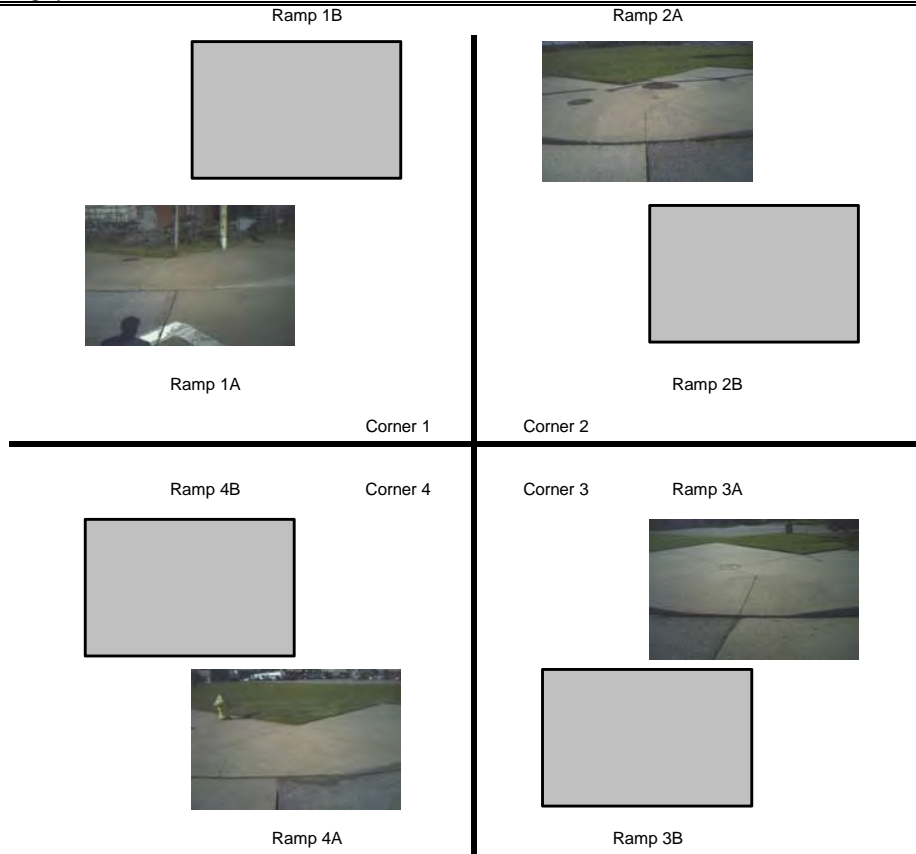
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	X	-	-	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	Yes	Worn	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	
Ramp running slope is greater than 8.33%	X		X		X			X	
Ramp cross slope is greater than 2%	X								
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X					X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X			X	
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of Heavy Traffic Way at W. 2nd St.

GPS ID: 46035

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	320	LF	\$ 6.50	\$ 2,080.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	21,857.60
Engineering: (% +/-)	15%	\$	3,489.60
Contingency: (% +/-)	20%	\$	4,652.80
Estimated Project Cost:	\$	\$	30,000.00

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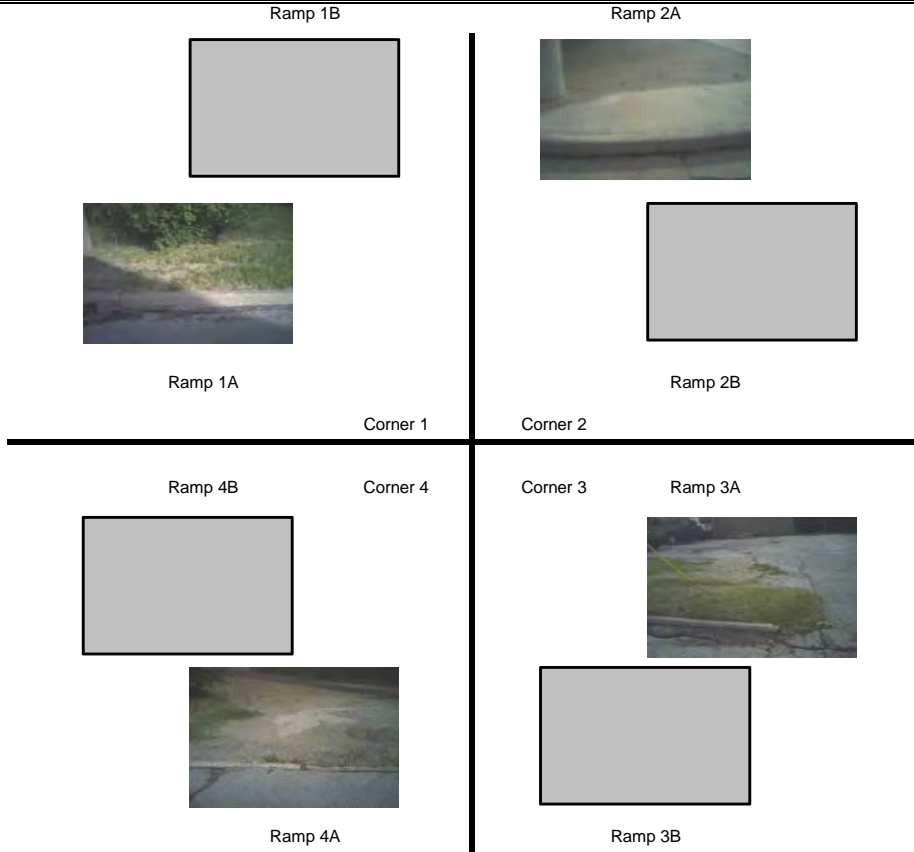
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	No	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Guthrie Ave. at W. 2nd St.

GPS ID: 46036

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	14,316.40
Engineering: (% +/-)	15%	\$	2,435.83
Contingency: (% +/-)	20%	\$	3,247.77
Estimated Project Cost:		\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

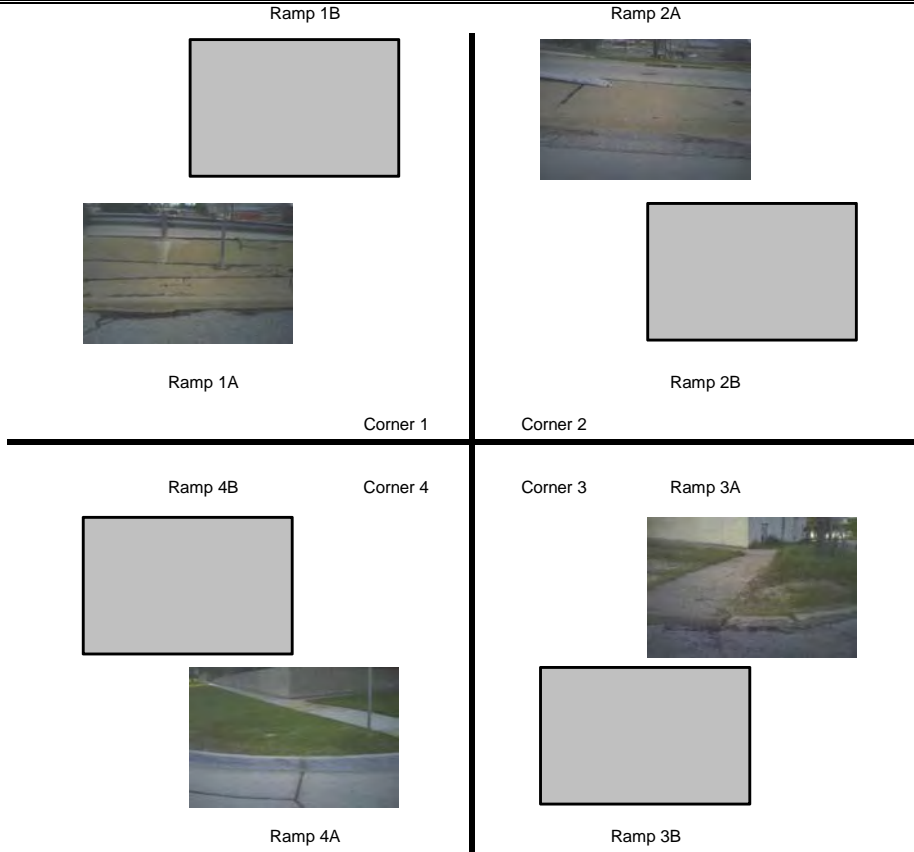
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Danger	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	X	N/A	
Crosswalk striping	N/A	No	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H		H		



End of Project Description for Project 46036 Intersection of S. Guthrie Ave. at W. 2nd St.

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Frisco Ave. at W. 2nd St.

GPS ID: 46037

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

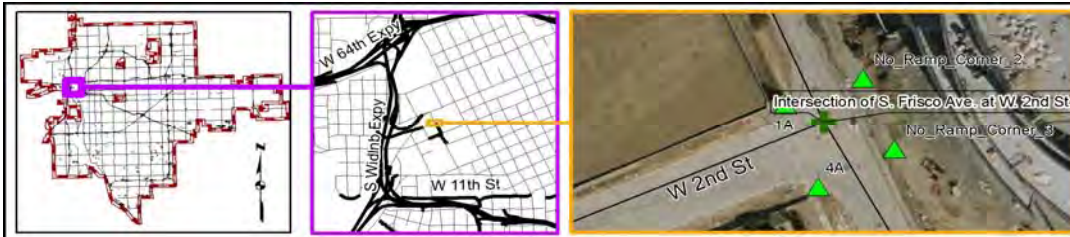
Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,950.20
Engineering: (% +/-)	15%	\$ 1,735.63
Contingency: (% +/-)	20%	\$ 2,314.17
Estimated Project Cost:	\$	14,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

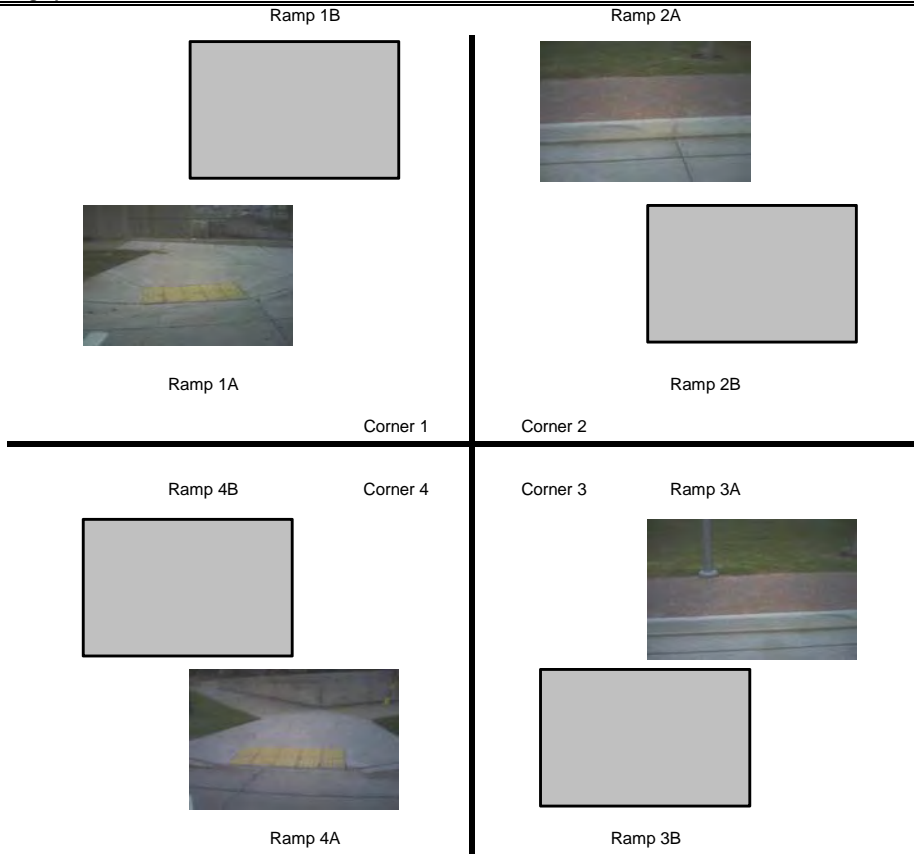
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	Good	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X					X			
Ramp running slope is greater than 8.33%						X			Remove and replace ramp
Ramp cross slope is greater than 2%						X			
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist						X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		-		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Frankfort Ave. at E. 2nd St.

GPS ID: 46038

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

	Subtotal:	\$	12,664.00
Engineering: (% +/-)	15%	\$	2,286.86
Contingency: (% +/-)	20%	\$	3,049.14
Estimated Project Cost:	\$	\$	18,000.00

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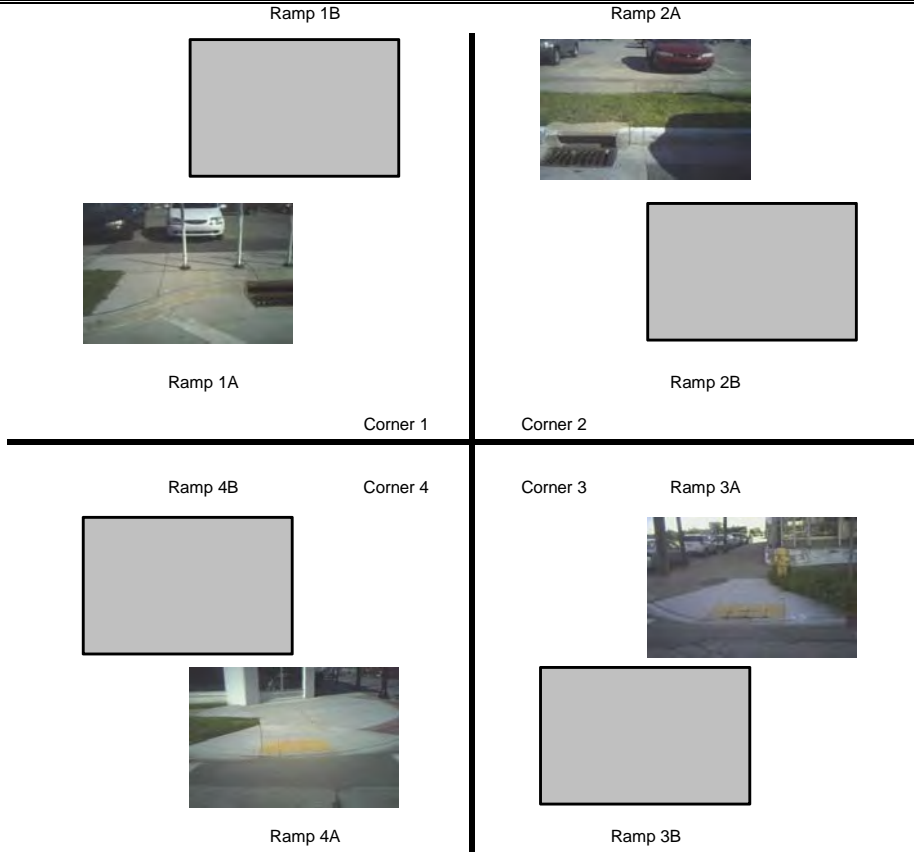
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	-	-	N/A	
Crosswalk striping	N/A	No	Yes	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%							X		Remove and replace ramp
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			M	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Greenwood Ave. at E. 2nd St.

GPS ID: 46039

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	460	LF	\$ 6.50	\$ 2,990.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,202.80
Engineering: (% +/-)	15%	\$ 3,341.66
Contingency: (% +/-)	20%	\$ 4,455.54
Estimated Project Cost:	\$	30,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X							X	Remove and replace ramp
Ramp running slope is greater than 8.33%			X		X			X	
Ramp cross slope is greater than 2%					X			X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	Install colored truncated domes
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X			X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Kenosha Ave. at E. 2nd St.

GPS ID: 46040

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	440	LF	\$ 6.50	\$ 2,860.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	36,077.40
Engineering: (% +/-)	15%	\$ 5,538.26
Contingency: (% +/-)	20%	\$ 7,384.34
Estimated Project Cost:	\$	49,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

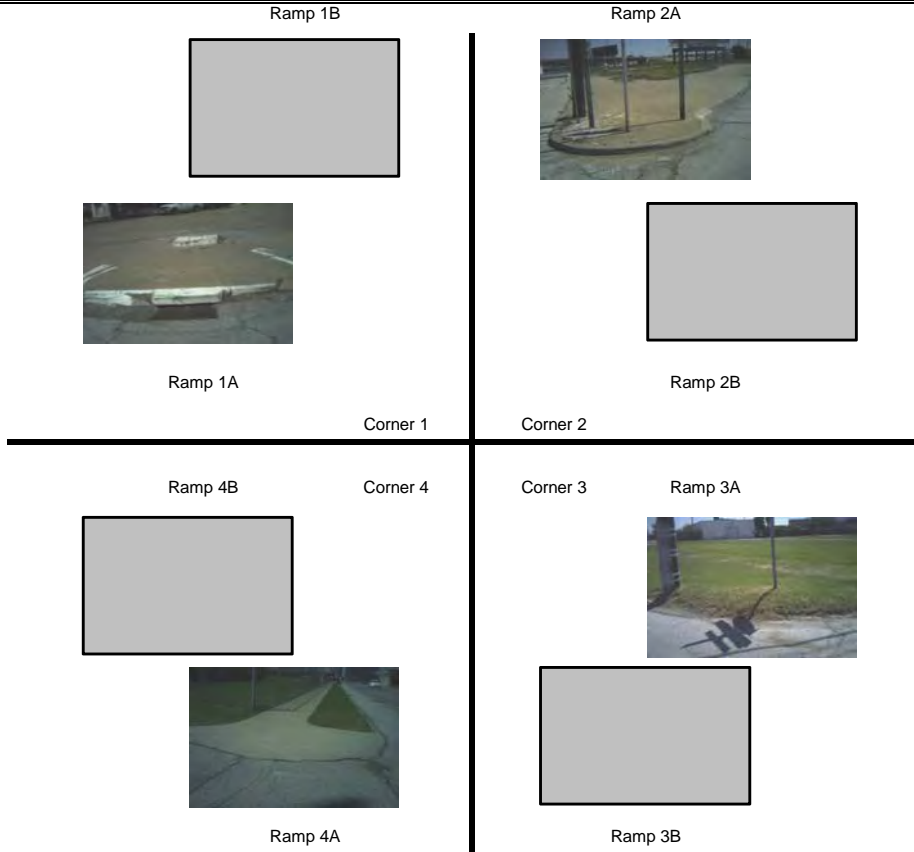
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	X	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Install handicap ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X				
Flare cross slope is greater than 10%									Install colored truncated domes
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%								X	
Ramp width is less than 36"								X	Install landing area
Obstruction present in ramp or landing area								X	
No textured surface at base of ramp								X	
No color contrast at base of ramp								X	Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist								X	
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Install landing area
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									Install landing area
Ramp Priority:	H		H		H		M		



End of Project Description for Project 46040 Intersection of S. Kenosha Ave. at E. 2nd St.

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/26/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S. Lansing Ave. at E. 2nd St.

GPS ID: 46041

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	450	LF	\$ 6.50	\$ 2,925.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	38,480.20
Engineering: (% +/-)	15%	\$ 5,794.20
Contingency: (% +/-)	20%	\$ 7,725.60
Estimated Project Cost:	\$	52,000.00

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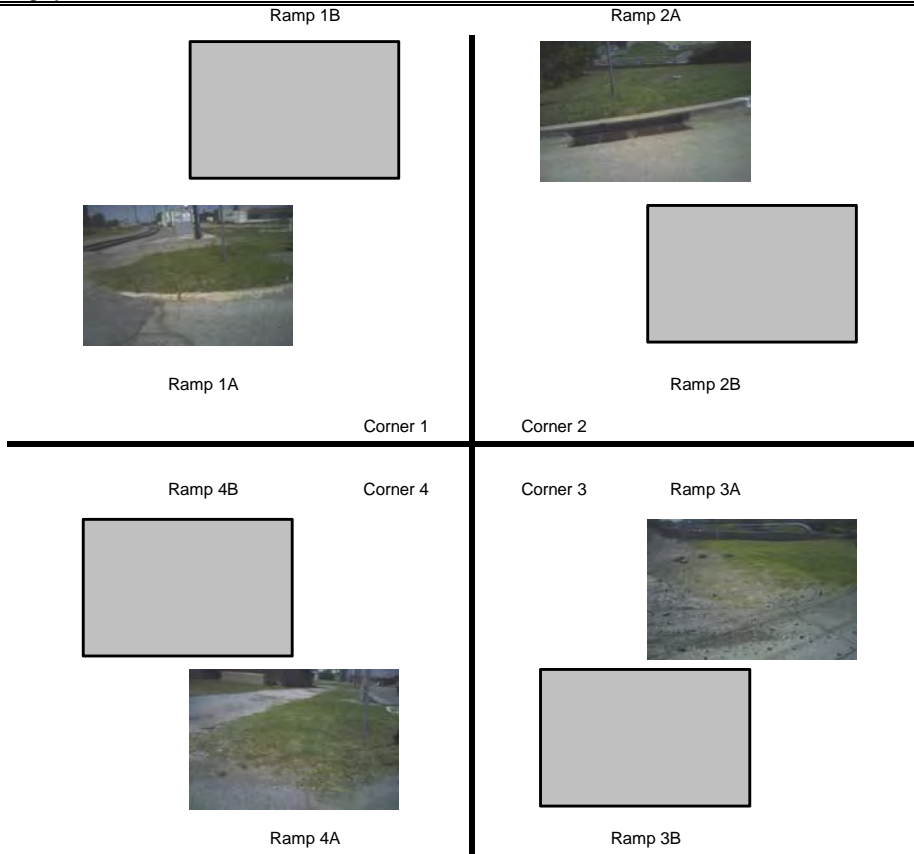
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	290	LF	\$ 6.50	\$ 1,885.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,380.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,122.77
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,497.03
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Danger	Danger	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	X	X	N/A	
Crosswalk striping	No	No	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	290	LF	\$ 6.50	\$ 1,885.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,380.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,979.91
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,639.89
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	69.45	SY	\$ 10.00	\$ 694.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	69.45	SY	\$ 80.00	\$ 5,556.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	280	LF	\$ 6.50	\$ 1,820.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 28,587.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,462.71
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,950.29
	Estimated Project Cost:	\$ 39,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Good	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Yes	No	Yes	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X				X	X	
Ramp running slope is greater than 8.33%	X	X					X		
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H		M		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 19,339.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,283.11
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,377.49
	Estimated Project Cost:	\$ 27,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	Good	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	N/A	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%	X	X	X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"		X	X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry					X	X			Remove ramp
Ramp Priority:	H	H	H	M	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	69.45	SY	\$ 10.00	\$ 694.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	69.45	SY	\$ 80.00	\$ 5,556.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,352.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,706.29
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,941.71
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	X	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2B	2C	2D	3A	3B	4A	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X				X	
Ramp running slope is greater than 8.33%	X			X	X	X			
Ramp cross slope is greater than 2%				X				X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp					X				Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M	H	C	C	H	M	H	H	

Ramp 1B



Ramp 2A



Ramp 2C



Ramp 1A



Ramp 2B



Ramp 2D

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	50.02	SY	\$ 10.00	\$ 500.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	50.02	SY	\$ 80.00	\$ 4,001.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	12,758.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,246.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,995.20
	Estimated Project Cost: \$	18,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Yes	No	Yes	Yes	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	380	LF	\$ 6.50	\$ 2,470.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 41,874.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,482.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,642.97
	Estimated Project Cost:	\$ 57,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X	X	X	X	X		
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X	X	X	X		Install colored truncated domes
No color contrast at base of ramp			X	X	X	X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H	H	H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	450	LF	\$ 6.50	\$ 2,925.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 36,885.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,620.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,493.94
	Estimated Project Cost:	\$ 50,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	X	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X				X	X			
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		C	L	H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	13.9	SY	\$ 10.00	\$ 139.00
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	380	LF	\$ 6.50	\$ 2,470.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost <input checked="" type="checkbox"/> No Design <input type="checkbox"/> Preliminary Design <input type="checkbox"/> Final Design	Subtotal: \$ 16,687.40 Engineering: (% +/-) 15% \$ 2,705.40 Contingency:(% +/-) 20% \$ 3,607.20 Estimated Project Cost: \$ 23,000.00
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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,336.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,284.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,379.20
	Estimated Project Cost:	\$ 29,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	-	
Crosswalk striping	N/A	N/A	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H				H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	330	LF	\$ 6.50	\$ 2,145.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	33,114.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 5,093.74
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 6,791.66
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	45,000.00

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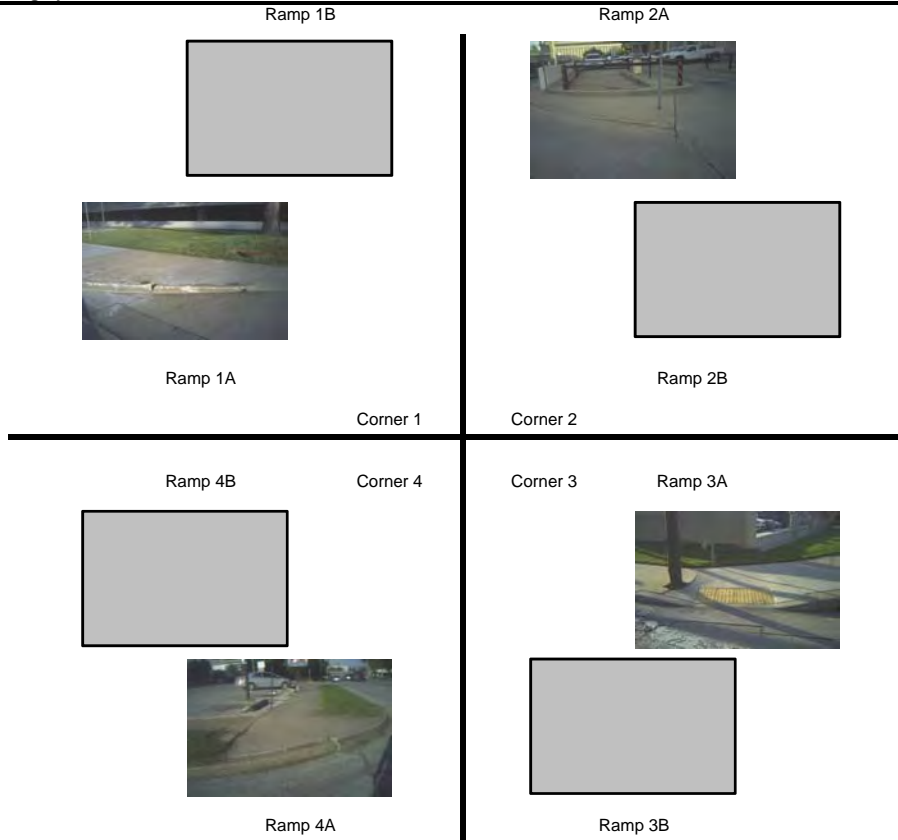
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	Worn	Worn	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	380	LF	\$ 6.50	\$ 2,470.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$ 19,682.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 3,135.94
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 4,181.26
	Estimated Project Cost: \$ 27,000.00

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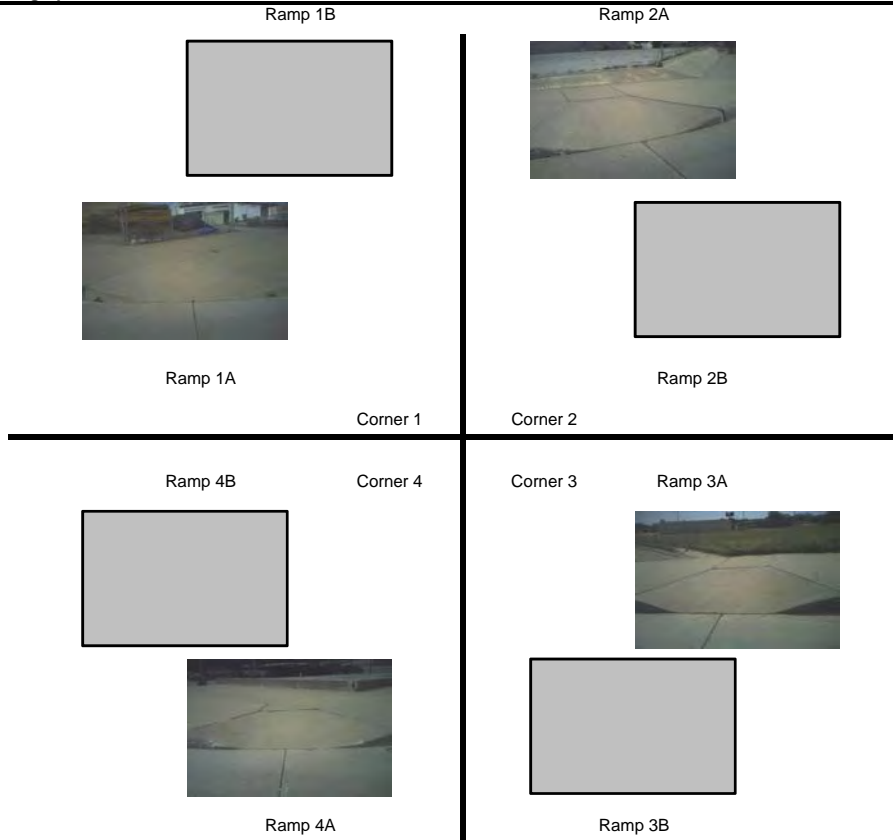
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X				X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X							Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



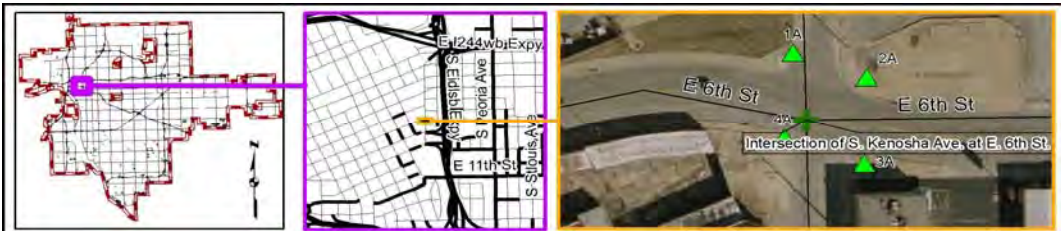
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	400	LF	\$ 6.50	\$ 2,600.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 19,812.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,080.23
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,106.97
	Estimated Project Cost:	\$ 27,000.00

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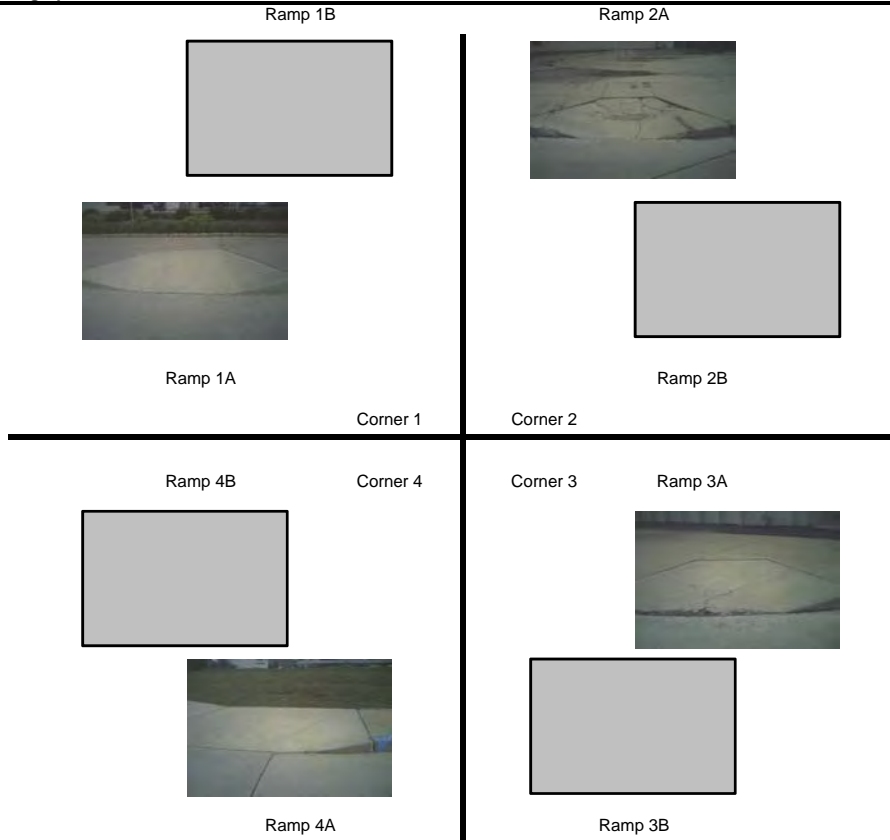
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	320	LF	\$ 6.50	\$ 2,080.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 32,635.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,299.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,065.60
	Estimated Project Cost:	\$ 45,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	N/A	-	
Crosswalk striping	Worn	No	N/A	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	430	LF	\$ 6.50	\$ 2,795.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 34,764.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,243.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 6,991.66
	Estimated Project Cost:	\$ 47,000.00

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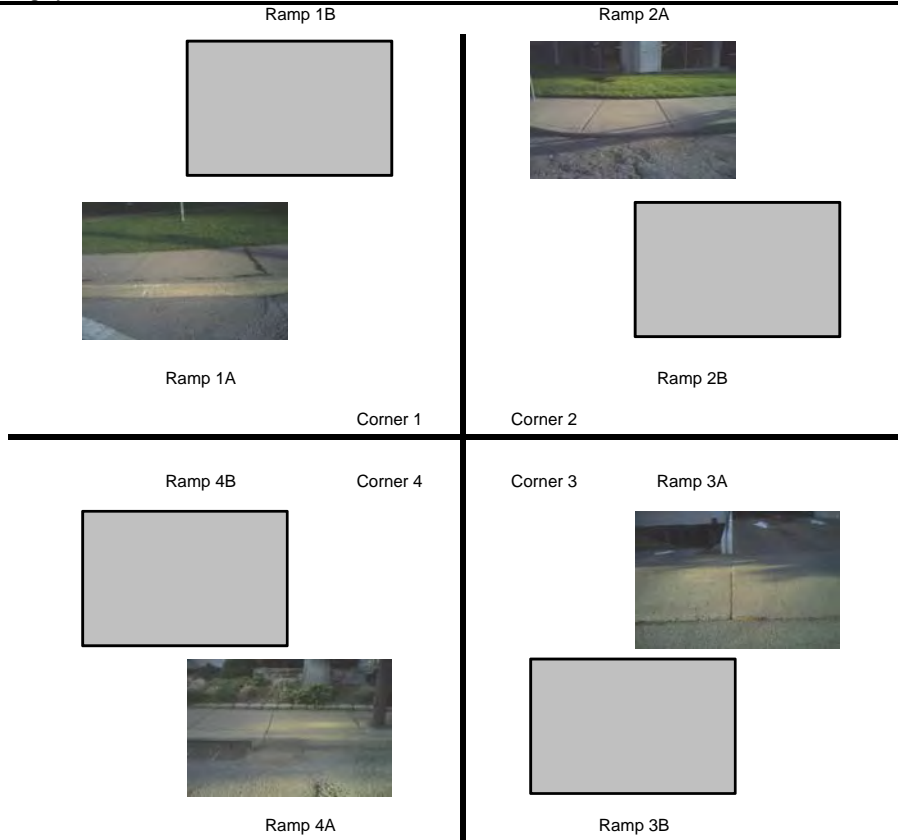
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	N/A	-	
Crosswalk striping	Yes	No	N/A	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	320	LF	\$ 6.50	\$ 2,080.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 26,575.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 4,039.20
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 5,385.60
	Estimated Project Cost:	\$ 36,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	N/A	-	
Crosswalk striping	No	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X								
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	15,595.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,744.91
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,659.89
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	22,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	260	LF	\$ 6.50	\$ 1,690.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,185.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,063.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,751.31
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	Worn	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H			-	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	58.34	SY	\$ 10.00	\$ 583.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	69.45	SY	\$ 80.00	\$ 5,556.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 22,367.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,699.60
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,932.80
	Estimated Project Cost:	\$ 31,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	X	-	-	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Yes	Yes	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X	X					X		
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%								X	Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	M		H		H	L	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

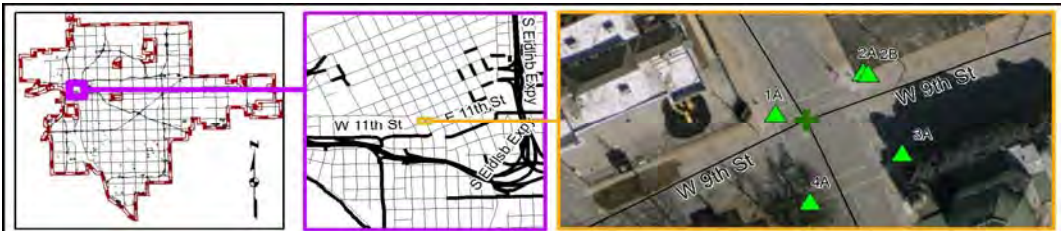
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	58.34	SY	\$ 10.00	\$ 583.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	58.34	SY	\$ 80.00	\$ 4,667.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	420	LF	\$ 6.50	\$ 2,730.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 36,493.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,788.37
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,717.83
	Estimated Project Cost:	\$ 50,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	X	-	-	
Crosswalk striping	Worn	Worn	Worn	Worn	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X				
Ramp running slope is greater than 8.33%	X		X	X	X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X	X		X		Install colored truncated domes
No color contrast at base of ramp	X		X	X	X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X				X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

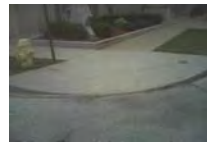
Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	440	LF	\$ 6.50	\$ 2,860.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 42,072.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,397.37
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,529.83
	Estimated Project Cost:	\$ 57,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	-	-	X	
Crosswalk striping	Worn	No	Worn	Worn	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X		X		X		Remove and replace ramp
Ramp running slope is greater than 8.33%	X						X		
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X						X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	330	LF	\$ 6.50	\$ 2,145.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design		Subtotal:	\$ 31,525.80
<input type="checkbox"/> Preliminary Design		Engineering: (% +/-)	15% \$ 4,917.51
<input type="checkbox"/> Final Design		Contingency: (% +/-)	20% \$ 6,556.69
		Estimated Project Cost:	\$ 43,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	No	No	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X		X				Install colored truncated domes
No color contrast at base of ramp			X		X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	420	LF	\$ 6.50	\$ 2,730.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	28,549.20
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 4,478.91
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 5,971.89
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	39,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X			X		X	X	
Ramp running slope is greater than 8.33%	X	X	X		X		X	X	
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X		X		X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X		X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	420	LF	\$ 6.50	\$ 2,730.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 38,525.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 6,203.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 8,271.31
	Estimated Project Cost:	\$ 53,000.00

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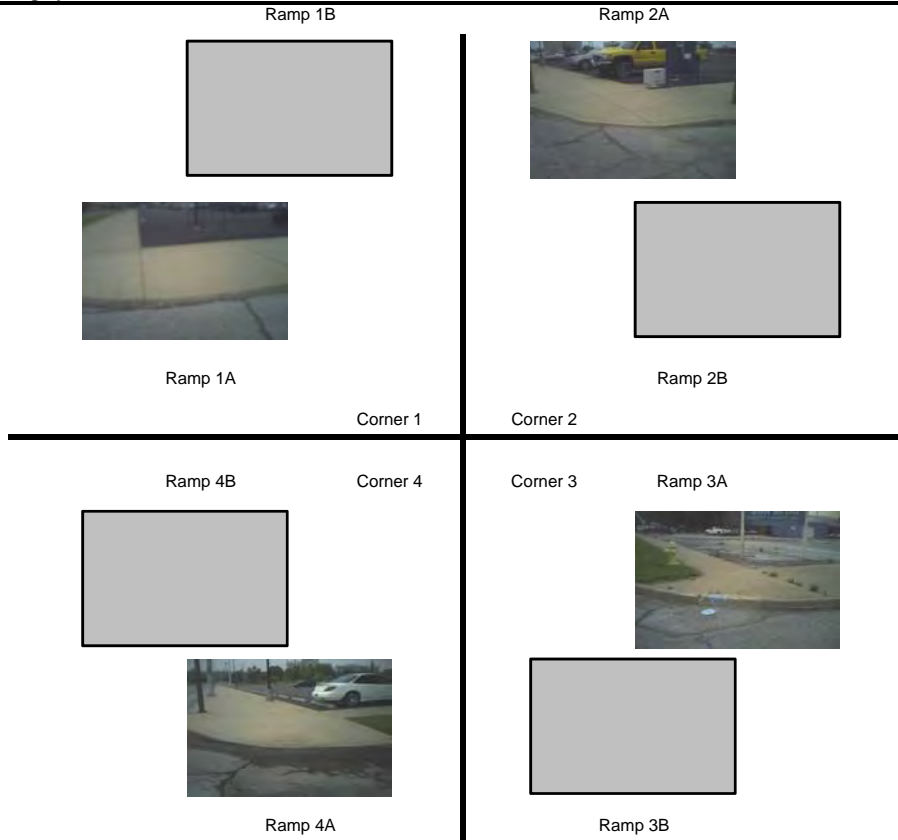
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Danger	Poor	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	X	X	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		Install colored truncated domes
No color contrast at base of ramp	X		X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X						Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	430	LF	\$ 6.50	\$ 2,795.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	4	EA	\$ 5,000.00	\$ 20,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 45,614.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,022.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 9,363.31
	Estimated Project Cost:	\$ 62,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	X	X	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X	X	X		X	X	
Ramp running slope is greater than 8.33%	X		X	X			X	X	
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X	X			X	X	Install colored truncated domes
No color contrast at base of ramp	X		X	X			X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X	X	X		X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X				X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H	H	H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	250	LF	\$ 6.50	\$ 1,625.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,705.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,554.66
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,739.54
	Estimated Project Cost:	\$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Danger	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	-	-	
Crosswalk striping	N/A	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk							X		Remove and replace crosswalk pavement markings
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	310	LF	\$ 6.50	\$ 2,015.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 21,510.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,638.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,851.31
	Estimated Project Cost:	\$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Good	Poor	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	-	-	
Crosswalk striping	N/A	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X		X			
Ramp cross slope is greater than 2%				X		X			Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist				X		X			Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	330	LF	\$ 6.50	\$ 2,145.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	3	EA	\$ 5,000.00	\$ 15,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	37,246.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 5,894.31
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 7,859.09
	Estimated Project Cost: \$	51,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	Poor	Poor	Good	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Worn	Worn	Worn	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%	X	X					X		
Ramp running slope is greater than 8.33%	X	X					X		
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area			X						
No textured surface at base of ramp	X	X	X				X		Install colored truncated domes
No color contrast at base of ramp	X	X	X				X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"		X	X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	310	LF	\$ 6.50	\$ 2,015.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$ 21,813.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 3,508.50
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 4,678.00
	Estimated Project Cost: \$ 30,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	-	X	N/A	X	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

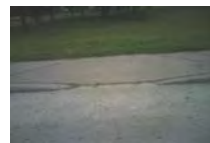
Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	280	LF	\$ 6.50	\$ 1,820.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,618.50
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,734.93
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,646.57
	Estimated Project Cost:	\$ 24,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	Good	
Crosswalk cross slope is greater than 2%	X	-	N/A	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	No	N/A	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp			X						Regrade roadway
Ramp not needed due to existing geometry					X				Remove ramp
Ramp Priority:	M		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	66.66	SY	\$ 10.00	\$ 666.60
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	340	LF	\$ 6.50	\$ 2,210.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	8	EA	\$ 1,500.00	\$ 12,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost				Subtotal: \$	33,029.20
<input checked="" type="checkbox"/> No Design				Engineering: (% +/-)	15% \$ 5,130.34
<input type="checkbox"/> Preliminary Design				Contingency: (% +/-)	20% \$ 6,840.46
<input type="checkbox"/> Final Design				Estimated Project Cost: \$	45,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Danger	Good	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X				
Ramp running slope is greater than 8.33%	X		X	X			X		
Ramp cross slope is greater than 2%	X	X	X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	70	LF	\$ 6.50	\$ 455.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,450.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,378.49
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,171.31
	Estimated Project Cost:	\$ 20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed							X		Install handicap ramp
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X		X				
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X						Install colored truncated domes
No color contrast at base of ramp			X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-		H		H			H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	23,310.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,724.03
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,965.37
	Estimated Project Cost: \$	32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	X	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%			X				X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X			X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X		X				X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	40	LF	\$ 6.50	\$ 260.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 7,840.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,353.94
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,805.26
	Estimated Project Cost:	\$ 11,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	C		M		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 19,000.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,999.74
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,999.66
	Estimated Project Cost:	\$ 26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X	X		X			
Ramp running slope is greater than 8.33%			X	X		X			
Ramp cross slope is greater than 2%			X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp						X			
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	150	LF	\$ 6.50	\$ 975.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,187.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,919.51
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,892.69
	Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%			X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	L		M		M		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	14,252.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,463.09
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,284.11
	Estimated Project Cost: \$	20,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X		X		
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

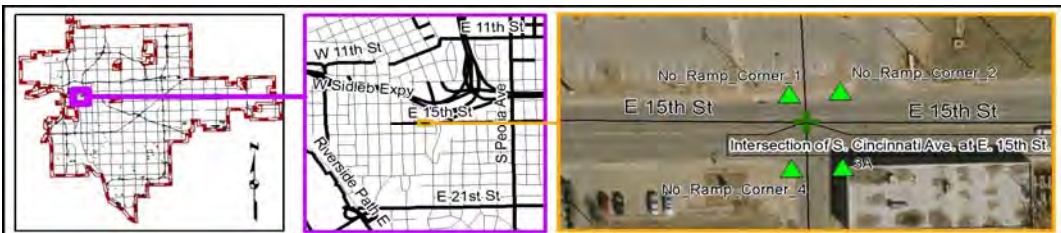
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,789.60
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,804.46
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,405.94
	Estimated Project Cost:	\$ 16,000.00

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Project Location



Field Observations

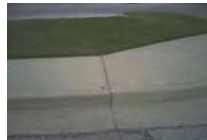
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X				X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				
No color contrast at base of ramp					X		X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 11,969.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,156.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,874.86
	Estimated Project Cost:	\$ 17,000.00

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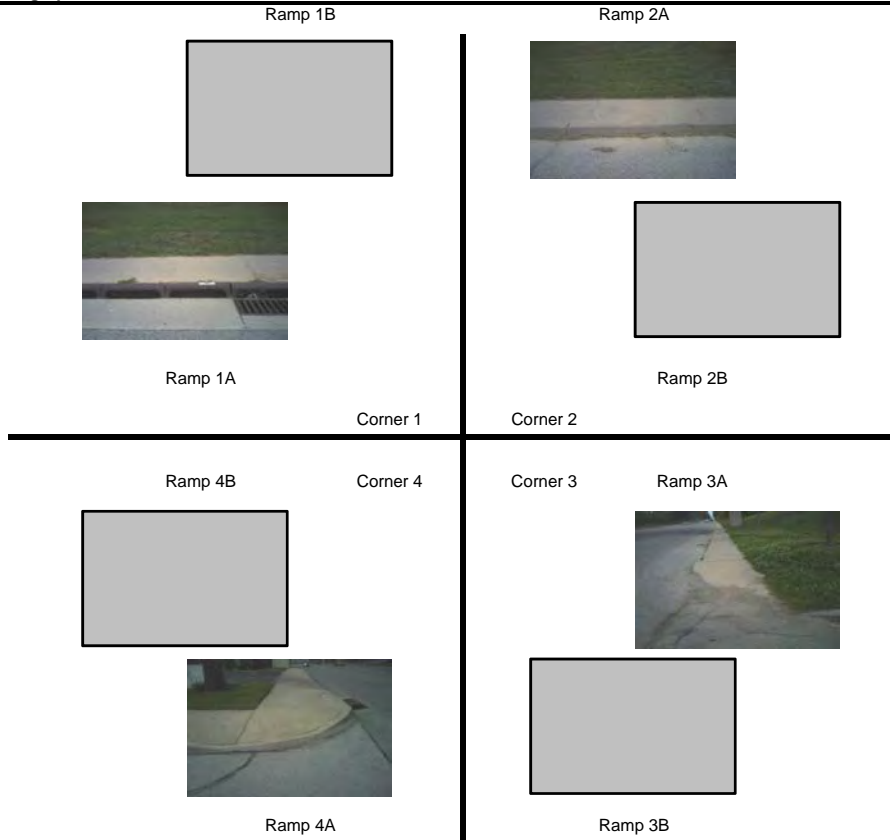
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%							X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp						X			Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	36.12	SY	\$ 80.00	\$ 2,889.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	110	LF	\$ 6.50	\$ 715.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 13,458.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,375.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,166.86
	Estimated Project Cost:	\$ 19,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	1D	2A	2B	3A	3B	4A	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%				X					
Ramp cross slope is greater than 2%				X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X			X					Install colored truncated domes
No color contrast at base of ramp	X			X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X			X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"				X					Regrade roadway
Ponding occurs at base of ramp				X					
Ramp not needed due to existing geometry									
Ramp Priority:	M		H	H					

Ramp 1B



Ramp 2A



Ramp 1D



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	8,623.50
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 1,447.07
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 1,929.43
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	12,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H		H		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	17,359.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15% \$ 2,845.89
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 3,794.51
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	24,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X				X				
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X				X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X			X		X		Install colored truncated domes
No color contrast at base of ramp	X	X			X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp	X		X				X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 18,862.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,058.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,078.40
	Estimated Project Cost:	\$ 26,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Good	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X						
Ramp running slope is greater than 8.33%	X	X	X				X		
Ramp cross slope is greater than 2%	X	X	X			X	X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X			X	X		Install colored truncated domes
No color contrast at base of ramp	X	X	X			X	X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X			X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X	X							
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H				M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 23,252.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,748.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,998.40
	Estimated Project Cost:	\$ 32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X	X	X	X	X	X	X	X	
Ramp running slope is greater than 8.33%	X	X	X	X	X	X	X	X	
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X	X	X	X	X	X	X	X	Install colored truncated domes
No color contrast at base of ramp	X	X	X	X	X	X	X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X	X	X	X	X	X	X	X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	36.12	SY	\$ 10.00	\$ 361.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$ 23,826.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 3,931.63
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 5,242.17
	Estimated Project Cost: \$ 33,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	Poor	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	-	
Crosswalk striping	N/A	No	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X								Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%			X		X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H	M	L	L	H				

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 17,904.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 3,041.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 4,054.86
	Estimated Project Cost:	\$ 25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	X	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X	X					Regrade roadway
Ponding occurs at base of ramp			X						
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 15,400.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,399.66
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,199.54
	Estimated Project Cost:	\$ 21,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	Danger	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	-	
Crosswalk striping	N/A	N/A	N/A	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X						X		Install colored truncated domes
No color contrast at base of ramp	X						X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X						X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 16,904.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,612.57
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,483.43
	Estimated Project Cost:	\$ 23,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	Poor	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	N/A	N/A	
Crosswalk striping	N/A	No	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%				X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				Install colored truncated domes
No color contrast at base of ramp					X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,904.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,755.43
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,340.57
	Estimated Project Cost:	\$ 15,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	Good	-	N/A	
Crosswalk cross slope is greater than 2%	-	-	-	N/A	
Crosswalk striping	-	No	-	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X						X		Install handicap ramp
Flare cross slope is greater than 10%			X	X					
Ramp running slope is greater than 8.33%			X	X					
Ramp cross slope is greater than 2%			X	X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp			X	X					Install colored truncated domes
No color contrast at base of ramp			X	X					
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X	X					Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

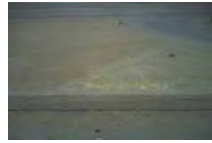
Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	11.11	SY	\$ 80.00	\$ 888.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	200	LF	\$ 6.50	\$ 1,300.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	30	SF	\$ 30.00	\$ 900.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 10,003.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,712.91
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 2,283.89
	Estimated Project Cost:	\$ 14,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	Good	Good	
Crosswalk cross slope is greater than 2%	X	-	-	-	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	No	No	No	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S Atlanta PI

GPS ID: 0202

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	144	LF	\$ 6.50	\$ 936.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,320.00
Engineering: (% +/-)	15%	\$ 2,862.86
Contingency: (% +/-)	20%	\$ 3,817.14
Estimated Project Cost:	\$	24,000.00

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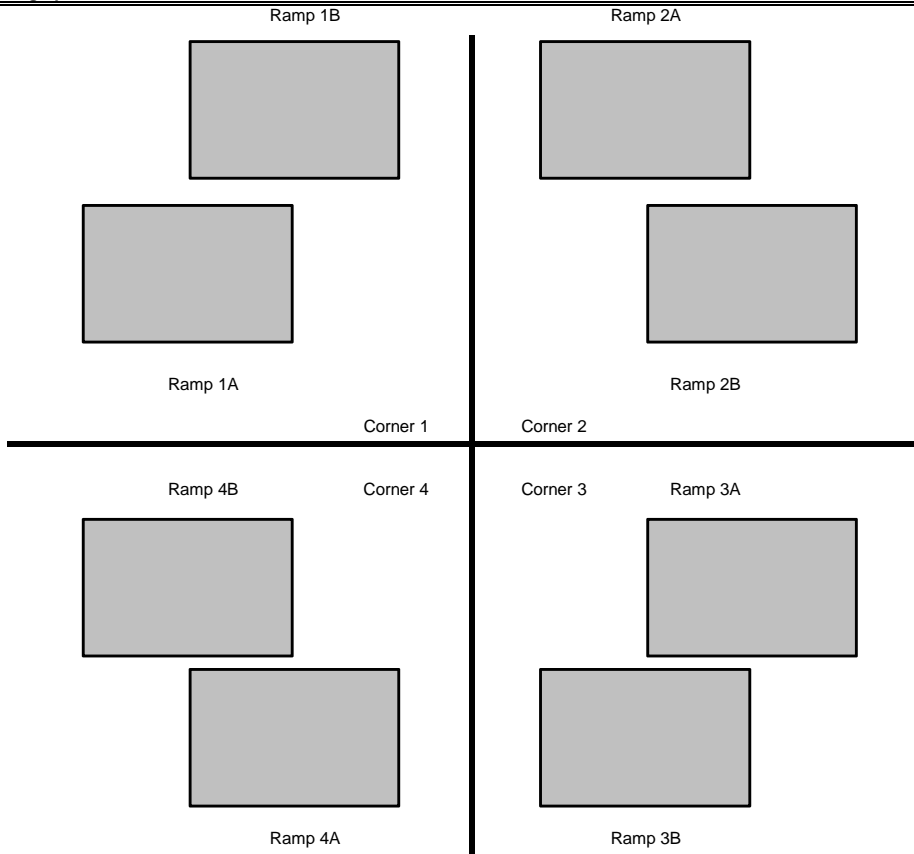
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	-	Danger	-	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	-	-	-	
Crosswalk striping	N/A	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X						Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X		X		Remove and replace ramp
Ramp cross slope is greater than 2%					X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Garnett Rd and E 67th St (6501 Garnett Rd)

GPS ID: 0215

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	10,384.00
Engineering: (% +/-)	15%	\$ 1,978.29
Contingency: (% +/-)	20%	\$ 2,637.71
Estimated Project Cost:	\$	15,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	-	
Crosswalk cross slope is greater than 2%	-	N/A	-	-	
Crosswalk striping	No	N/A	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X		X				Install handicap ramp
Flare cross slope is greater than 10%	X						X		
Ramp running slope is greater than 8.33%							X		
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X						X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

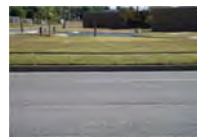
Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of N Hartford Ave and E 39th St N

GPS ID: 0217

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	55.55	SY	\$ 10.00	\$ 555.50
2	REMOVING CONC (WHEELCHAIR RAMP)	50.55	SY	\$ 30.00	\$ 1,516.50
3	CONCRETE SIDEWALK (SD-1) (4")	55.55	SY	\$ 80.00	\$ 4,444.00
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	5	EA	\$ 1,500.00	\$ 7,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	18,016.00
Engineering: (% +/-)	15%	\$ 2,993.14
Contingency: (% +/-)	20%	\$ 3,990.86
Estimated Project Cost:	\$	25,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	Yes	No	Yes	Yes	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
No 48" extension into crosswalk			X						
Ramp does not exist and is needed			X						
Flare cross slope is greater than 10%	X		X		X		X	X	
Ramp running slope is greater than 8.33%			X		X		X	X	
Ramp cross slope is greater than 2%	X		X		X		X	X	Remove and replace ramp
Ramp width is less than 36"			X						
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X	X	Install colored truncated domes
No color contrast at base of ramp	X		X		X		X	X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X				X	X	Regrade roadway
Ponding occurs at base of ramp			X		X		X	X	
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	7,166.40
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,214.40
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,619.20
	Estimated Project Cost: \$	10,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	-	-	-	
Crosswalk cross slope is greater than 2%	-	-	-	-	
Crosswalk striping	No	No	No	No	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X				X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		C		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal: \$	9,555.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,476.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,968.46
	Estimated Project Cost: \$	13,000.00

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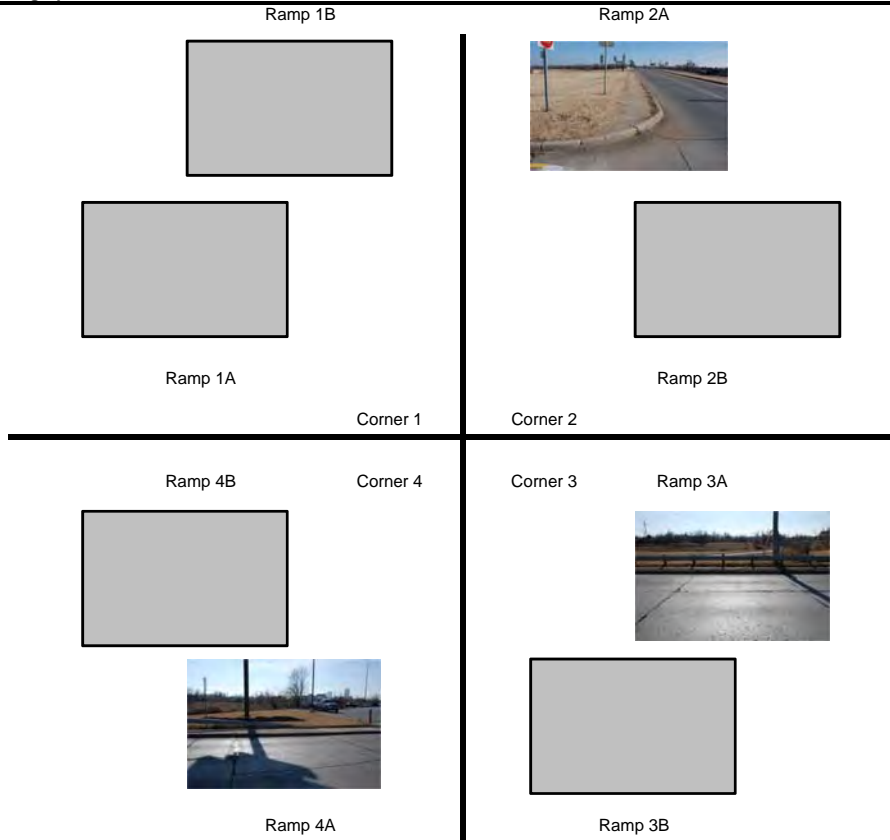
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1C	1D	2A	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X	X	X	X					Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H	H	H	H	-	-	-	-	



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 9,555.20
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,476.34
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,968.46
	Estimated Project Cost:	\$ 13,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

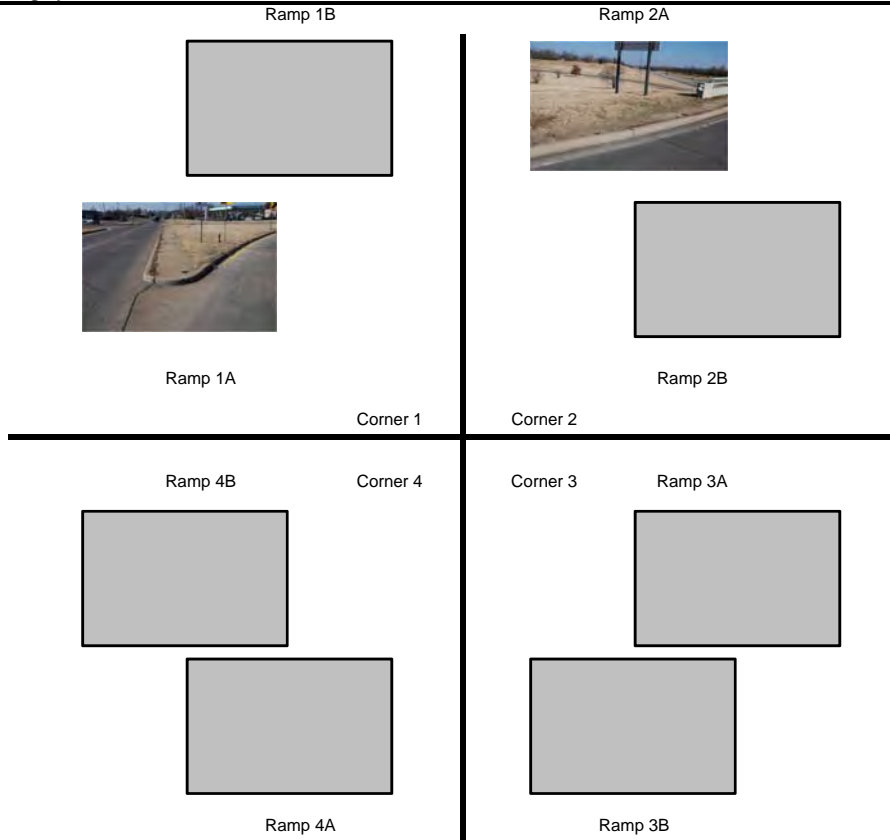
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		



Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	66.66	SY	\$ 80.00	\$ 5,332.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	6	EA	\$ 1,500.00	\$ 9,000.00
7	TRUNCATED DOMES (TMD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

<input checked="" type="checkbox"/> No Design	Subtotal:	\$ 14,332.80
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 2,428.80
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 3,238.40
	Estimated Project Cost:	\$ 20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	-	N/A	-	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed	X		X		X		X		Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to intersection geometry									
Ramp Priority:	H		H		H		H		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 71st East Ave

GPS ID: 12054

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	5,297.60
Engineering: (% +/-)	15%	\$ 1,158.17
Contingency: (% +/-)	20%	\$ 1,544.23
Estimated Project Cost:	\$	8,000.00

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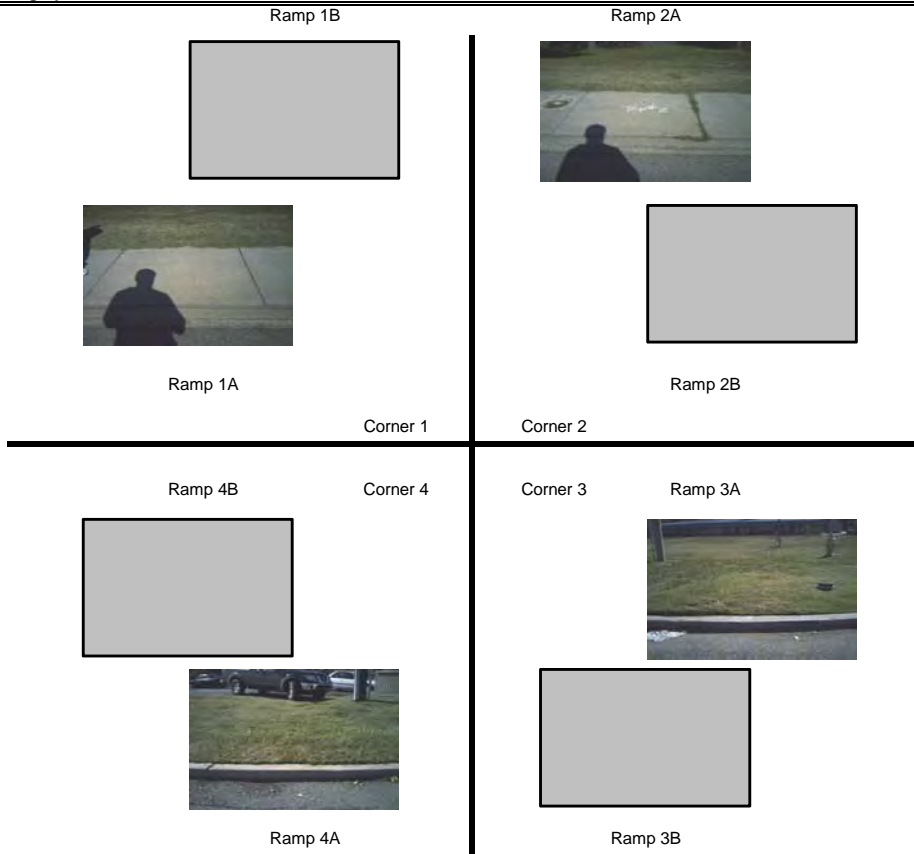
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 73rd East Ave

GPS ID: 12055

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	33.33	SY	\$ 80.00	\$ 2,666.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	170	LF	\$ 6.50	\$ 1,105.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	16,600.20
Engineering: (% +/-)	15%	\$ 2,742.77
Contingency: (% +/-)	20%	\$ 3,657.03
Estimated Project Cost:	\$	23,000.00

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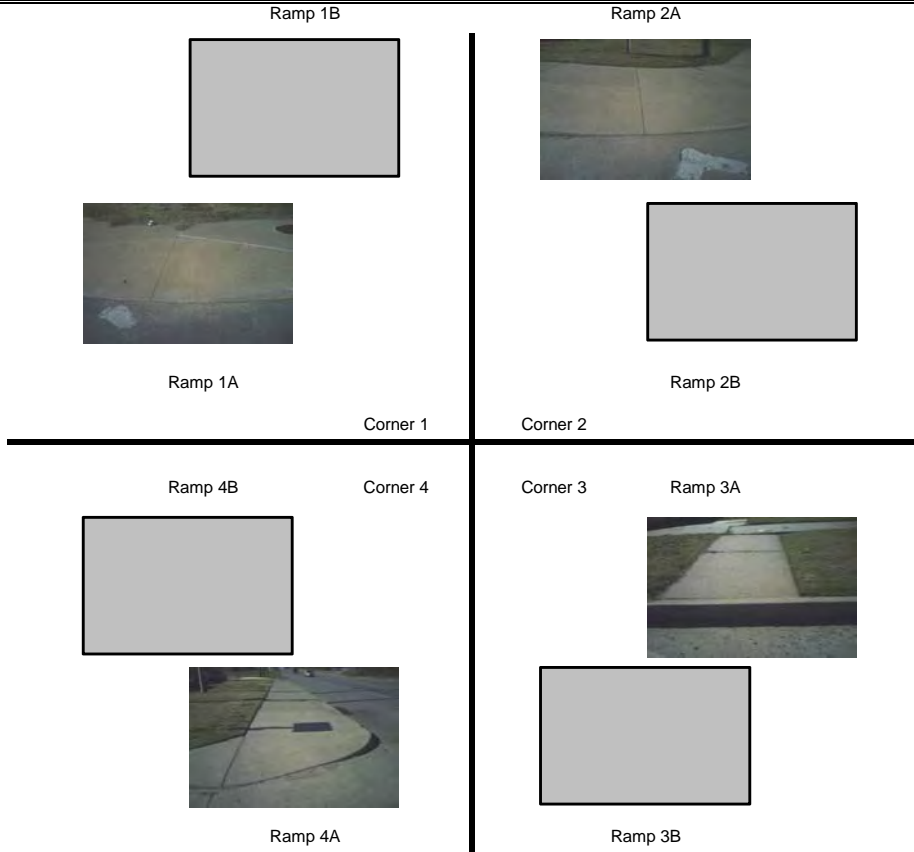
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	Good	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	-	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	Worn	Worn	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X				X		
Ramp cross slope is greater than 2%	X		X				X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X				X		
No color contrast at base of ramp	X		X				X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 74th East Ave

GPS ID: 12056

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,057.80
Engineering: (% +/-)	15%	\$ 2,118.09
Contingency: (% +/-)	20%	\$ 2,824.11
Estimated Project Cost:	\$	18,000.00

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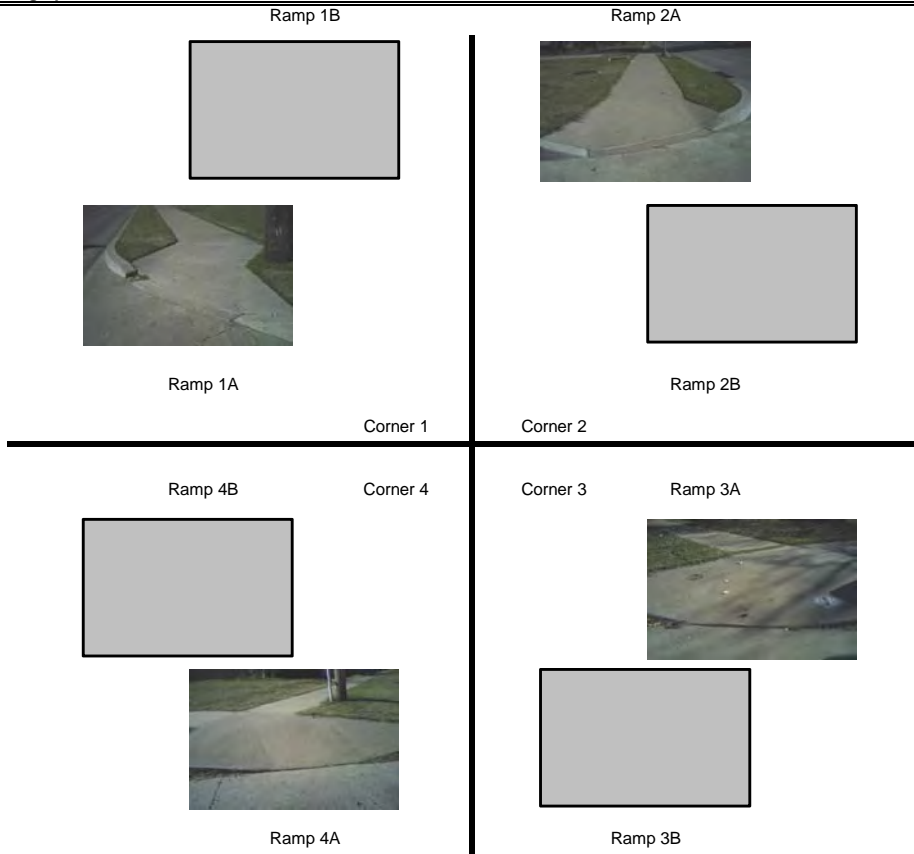
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%	X				X		X		Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 15th St and S 75th East Ave

GPS ID: 12057

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	19,252.80
Engineering: (% +/-)	15%	\$ 2,891.66
Contingency: (% +/-)	20%	\$ 3,855.54
Estimated Project Cost:	\$	26,000.00

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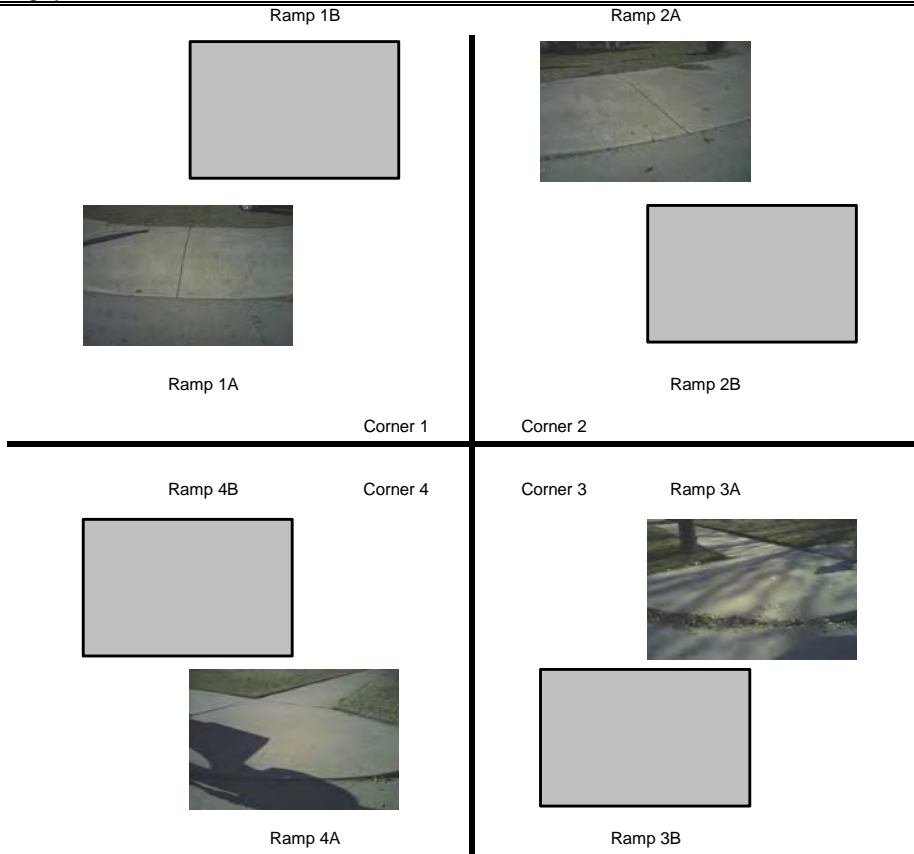
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%				X					
Ramp running slope is greater than 8.33%	X		X					X	
Ramp cross slope is greater than 2%			X		X			X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X			X	
No color contrast at base of ramp	X		X		X			X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X			X	
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		M		H			H	



Client: City of Tulsa, Oklahoma Date: 6/25/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of E 15th St and S 76th East Ave GPS ID: 12058

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	13,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 2,088.69
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 2,784.91
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

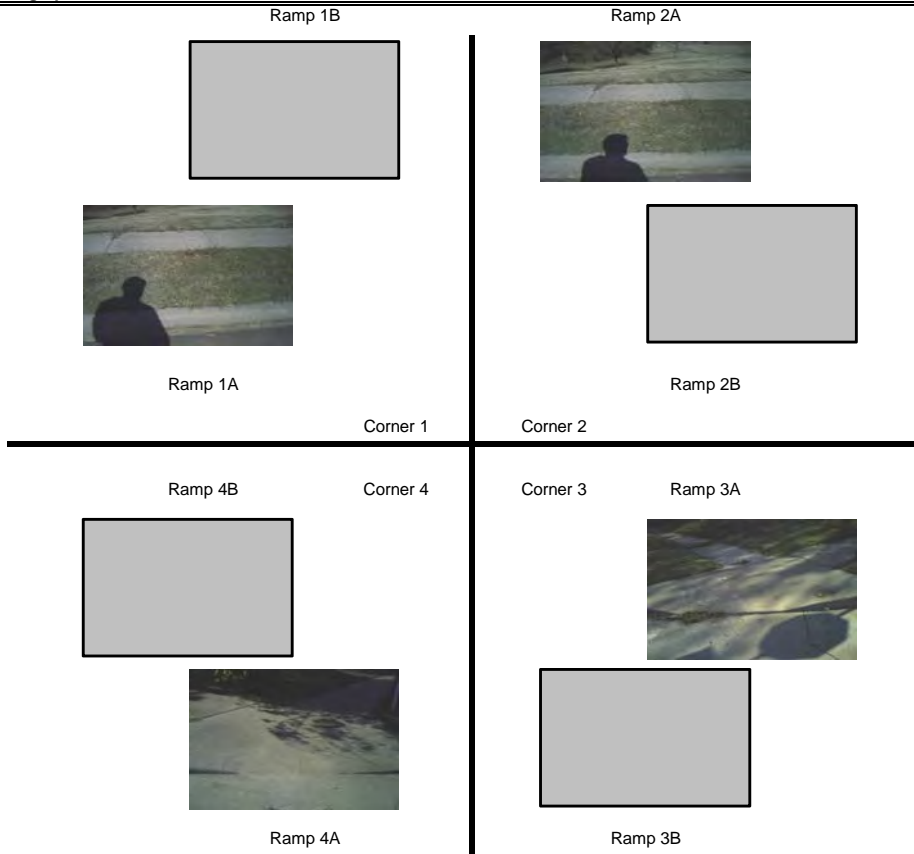
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	X	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X				
Ramp running slope is greater than 8.33%					X		X		
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma Date: 6/25/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of E 15th St and S 77th East Ave GPS ID: 12059

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	0	SY	\$ 10.00	\$ -
2	REMOVING CONC (WHEELCHAIR RAMP)	0	SY	\$ 30.00	\$ -
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal: \$	5,297.60
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-) 15%	\$ 1,158.17
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-) 20%	\$ 1,544.23
<input type="checkbox"/> Final Design		Estimated Project Cost: \$	8,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

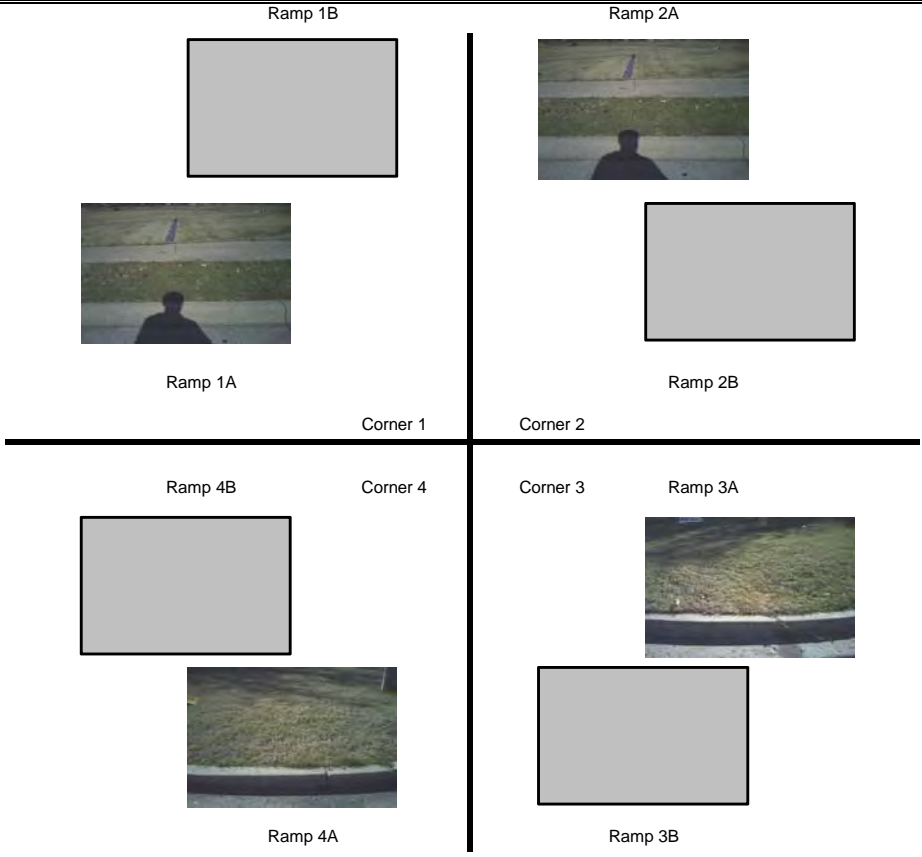
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X	X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp									
No color contrast at base of ramp									
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist									
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 23rd St and S Phoenix Ave

GPS ID: 13000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	13,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

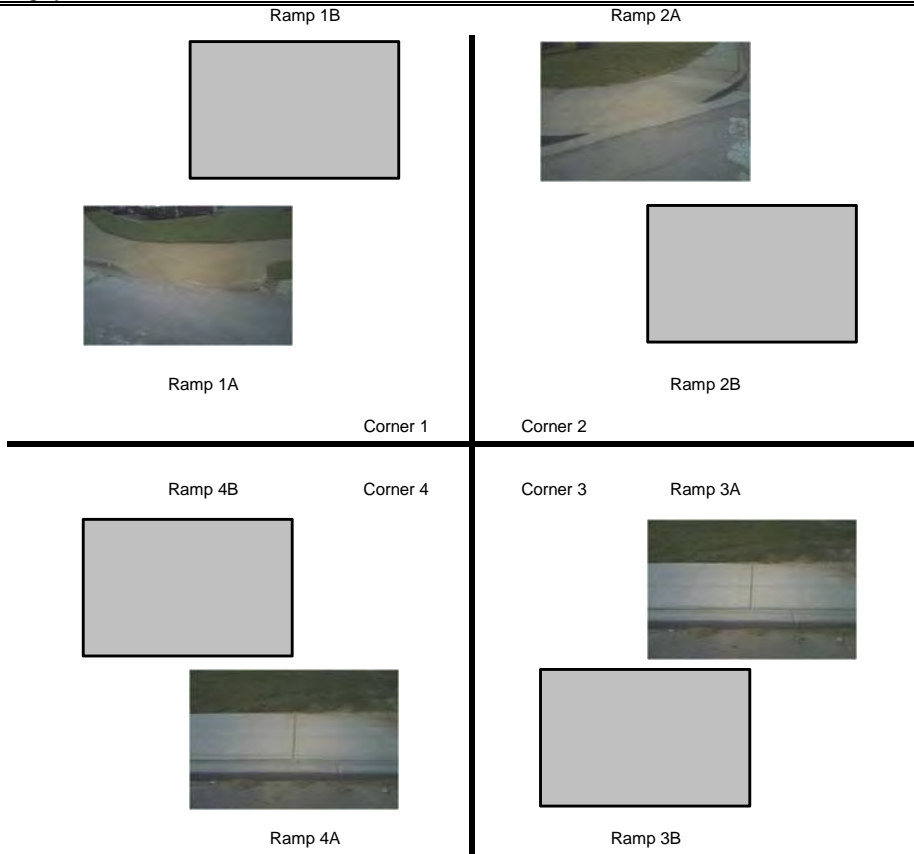
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	
Crosswalk striping	Worn	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X								Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%									
Ramp width is less than 36"									Remove and replace ramp
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Install landing area
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X								
Ponding occurs at base of ramp	X		X						
Ramp not needed due to existing geometry									Regrade roadway
Ramp Priority:	H		M		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Nogales Ave and W 23rd St

GPS ID: 13001

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	80.88	SY	\$ 30.00	\$ 2,426.40
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	27,466.00
Engineering: (% +/-)	15%	\$ 4,514.57
Contingency: (% +/-)	20%	\$ 6,019.43
Estimated Project Cost:	\$	38,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%		X	X			X	X		
Ramp running slope is greater than 8.33%		X	X			X	X		
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X	X			X	X		
No color contrast at base of ramp		X	X			X	X		Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X			X	X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"		X	X			X	X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X			X	X			X	Remove ramp
Ramp Priority:	H	H	H	H	H	H	H	H	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Maybelle Ave and W 23rd St

GPS ID: 13002

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,861.60
Engineering: (% +/-)	15%	\$ 3,487.89
Contingency: (% +/-)	20%	\$ 4,650.51
Estimated Project Cost:	\$	31,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

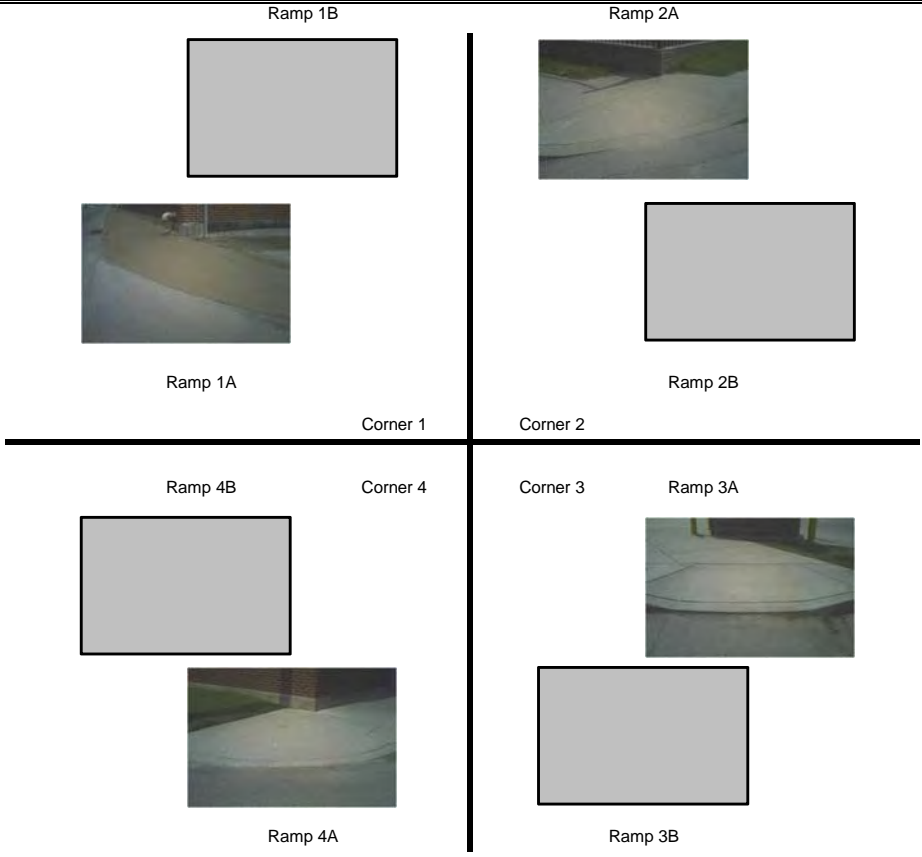
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%					X		X		
Ramp running slope is greater than 8.33%	X				X		X		
Ramp cross slope is greater than 2%	X						X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X		X		
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of W 21st St and S Main St

GPS ID: 13003

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,429.70
Engineering: (% +/-)	15%	\$ 1,101.56
Contingency: (% +/-)	20%	\$ 1,468.74
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

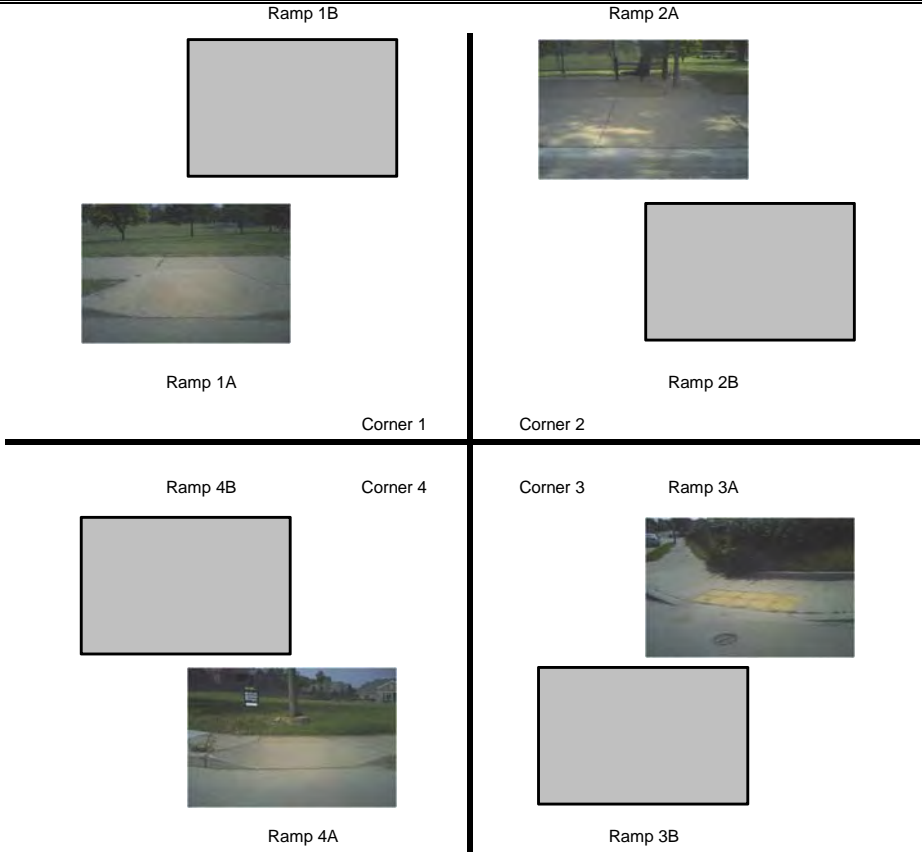
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%						X			
Ramp running slope is greater than 8.33%						X			
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"						X			
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H				H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Boston Ave

GPS ID: 13004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	180	LF	\$ 6.50	\$ 1,170.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	24,382.80
Engineering: (% +/-)	15%	\$ 3,693.09
Contingency: (% +/-)	20%	\$ 4,924.11
Estimated Project Cost:	\$	33,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

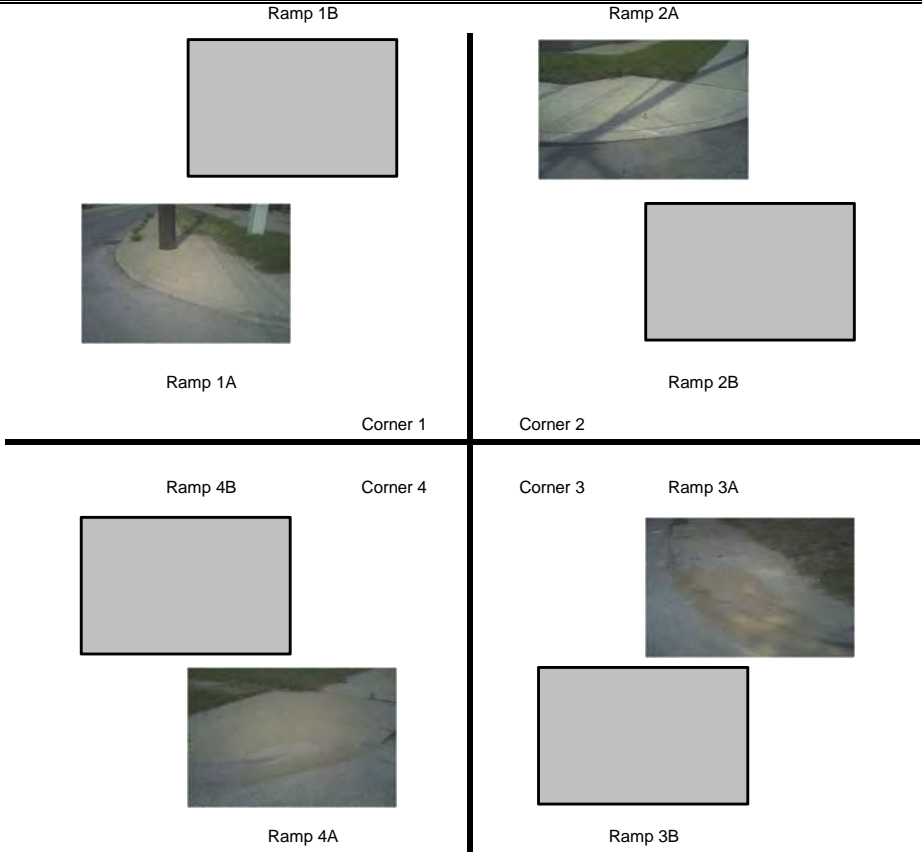
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X		X		Remove and replace ramp
Ramp cross slope is greater than 2%					X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								Install colored truncated domes
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp					X		X		
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Midblock Crossing at E 21st St (east of S Boston Ave)

GPS ID: 13005

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	0	LF	\$ 6.50	\$ -
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	4,215.20
Engineering: (% +/-)	15%	\$ 764.91
Contingency: (% +/-)	20%	\$ 1,019.89
Estimated Project Cost:	\$	6,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

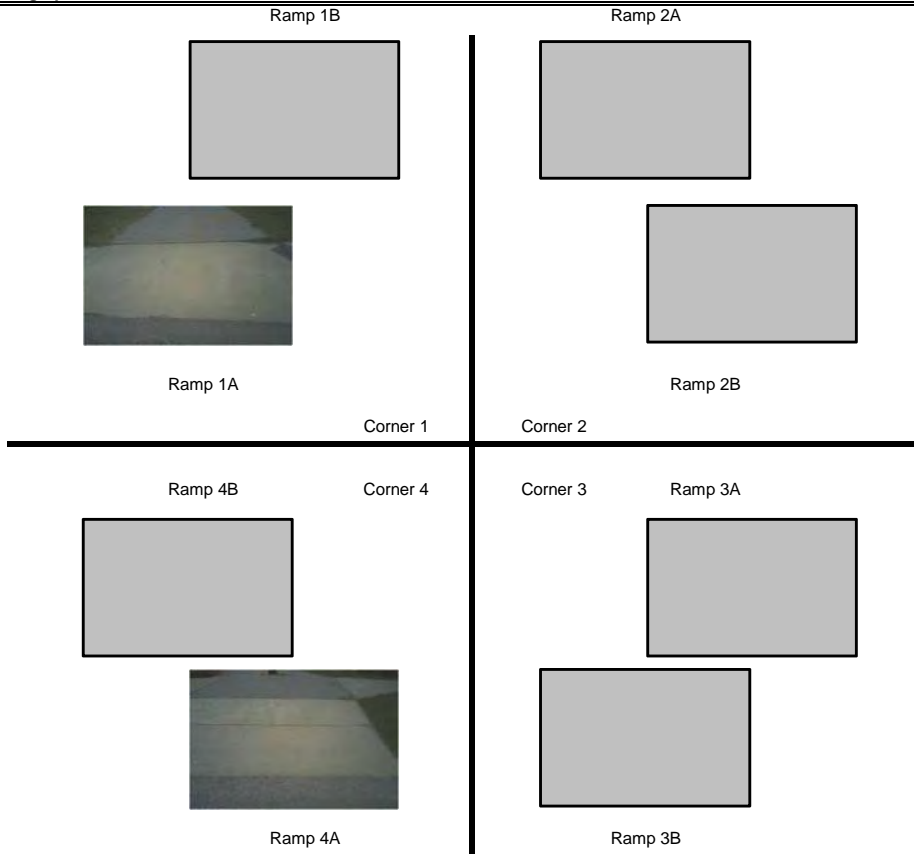
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	N/A	N/A	
Crosswalk striping	N/A	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X							X	Install colored truncated domes
No color contrast at base of ramp	X							X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X							X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H							H	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Detroit Ave

GPS ID: 13006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,992.80
Engineering: (% +/-)	15%	\$ 4,288.80
Contingency: (% +/-)	20%	\$ 5,718.40
Estimated Project Cost:	\$	36,000.00

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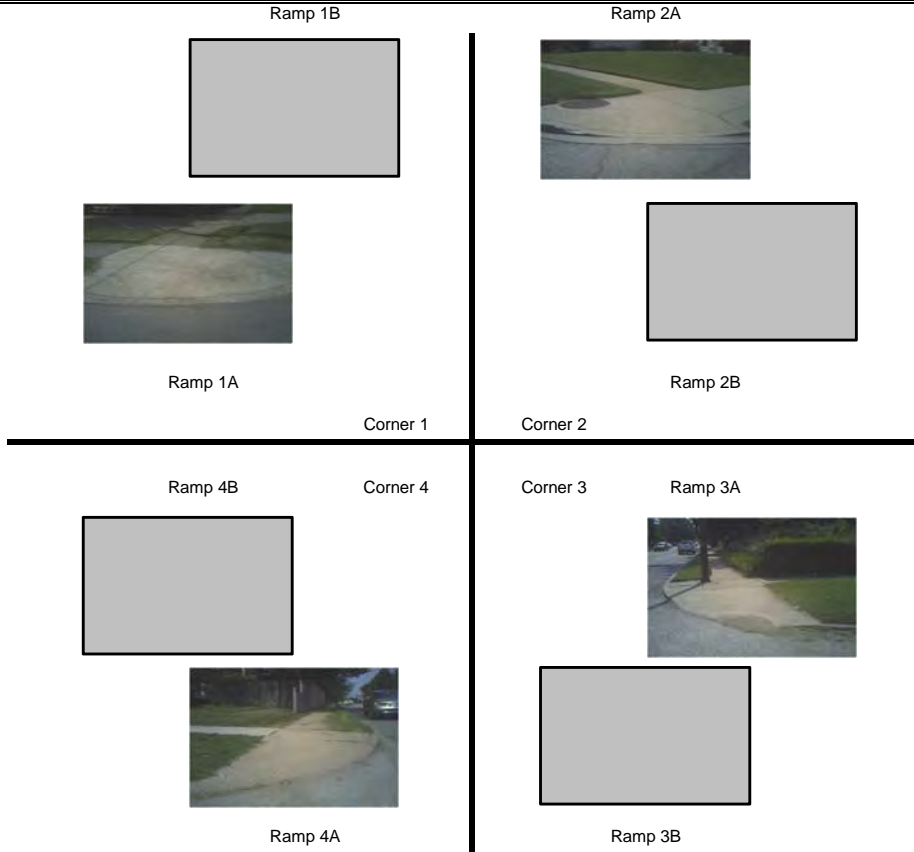
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%			X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Madison Ave

GPS ID: 13007

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	160	LF	\$ 6.50	\$ 1,040.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	25,252.80
Engineering: (% +/-)	15%	\$ 4,177.37
Contingency: (% +/-)	20%	\$ 5,569.83
Estimated Project Cost:	\$	35,000.00

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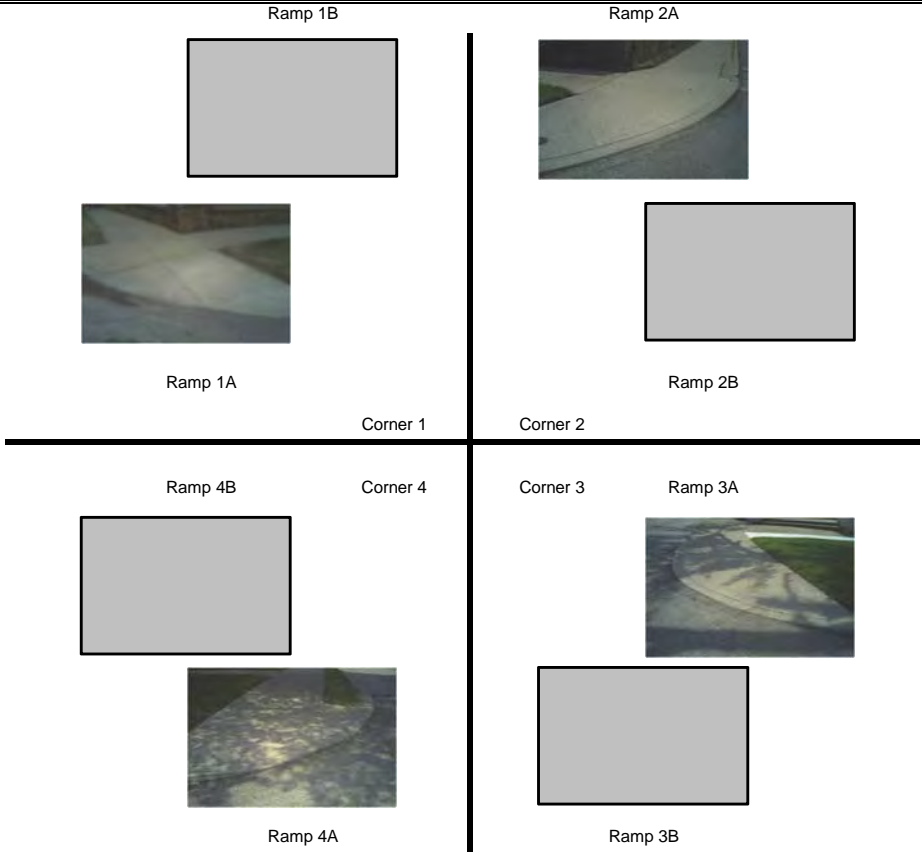
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									Remove and replace ramp
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									Remove and replace ramp
Ramp running slope is greater than 8.33%	X		X		X		X		
Ramp cross slope is greater than 2%	X		X		X		X		
Ramp width is less than 36"									Install colored truncated domes
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		
No color contrast at base of ramp	X		X		X		X		Install landing area
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									Regrade roadway
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									Regrade roadway
Ramp transition onto roadway is greater than 0.25"			X				X		
Ponding occurs at base of ramp	X								
Ramp not needed due to existing geometry									Ramp Priority:
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Norfolk Ave

GPS ID: 13008

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	120	LF	\$ 6.50	\$ 780.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	22,992.80
Engineering: (% +/-)	15%	\$ 3,860.23
Contingency: (% +/-)	20%	\$ 5,146.97
Estimated Project Cost:	\$	32,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed			X						
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%	X					X		X	Remove and replace ramp
Ramp cross slope is greater than 2%	X					X		X	
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X					X		X	Install colored truncated domes
No color contrast at base of ramp	X					X		X	
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X			X		X	Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X								Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		M			M	

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Owasso Ave

GPS ID: 13009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	40.44	SY	\$ 30.00	\$ 1,213.20
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	2	EA	\$ 5,000.00	\$ 10,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	23,057.80
Engineering: (% +/-)	15%	\$ 3,832.37
Contingency: (% +/-)	20%	\$ 5,109.83
Estimated Project Cost:	\$	32,000.00

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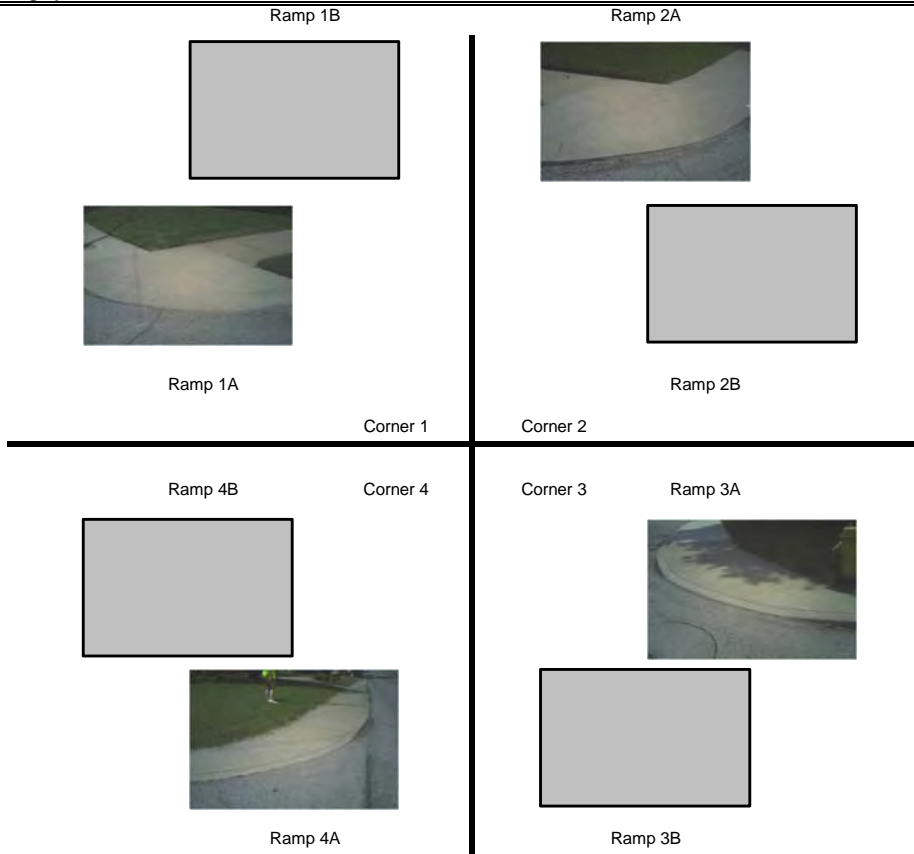
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	Poor	N/A	Repare roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	X	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				Remove and replace ramp
Ramp cross slope is greater than 2%	X				X		X		
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and E Woodwardpark Dr

GPS ID: 13010

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,015.30
Engineering: (% +/-)	15%	\$ 2,136.30
Contingency: (% +/-)	20%	\$ 2,848.40
Estimated Project Cost:	\$	17,000.00

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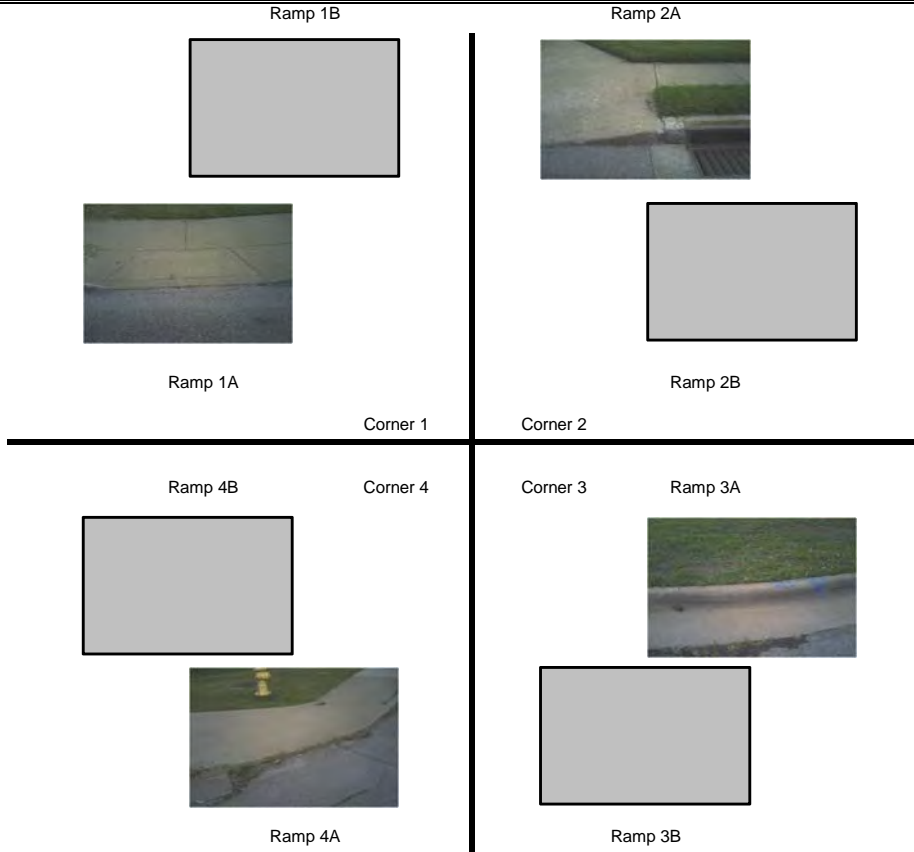
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed					X				Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp							X		Install colored truncated domes
No color contrast at base of ramp							X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist							X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp							X		
Ramp not needed due to existing geometry	X								Remove ramp
Ramp Priority:	H				H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and Terwilliger Blvd

GPS ID: 13011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	11.11	SY	\$ 10.00	\$ 111.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	240	LF	\$ 6.50	\$ 1,560.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,752.00
Engineering: (% +/-)	15%	\$ 2,249.14
Contingency: (% +/-)	20%	\$ 2,998.86
Estimated Project Cost:	\$	18,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

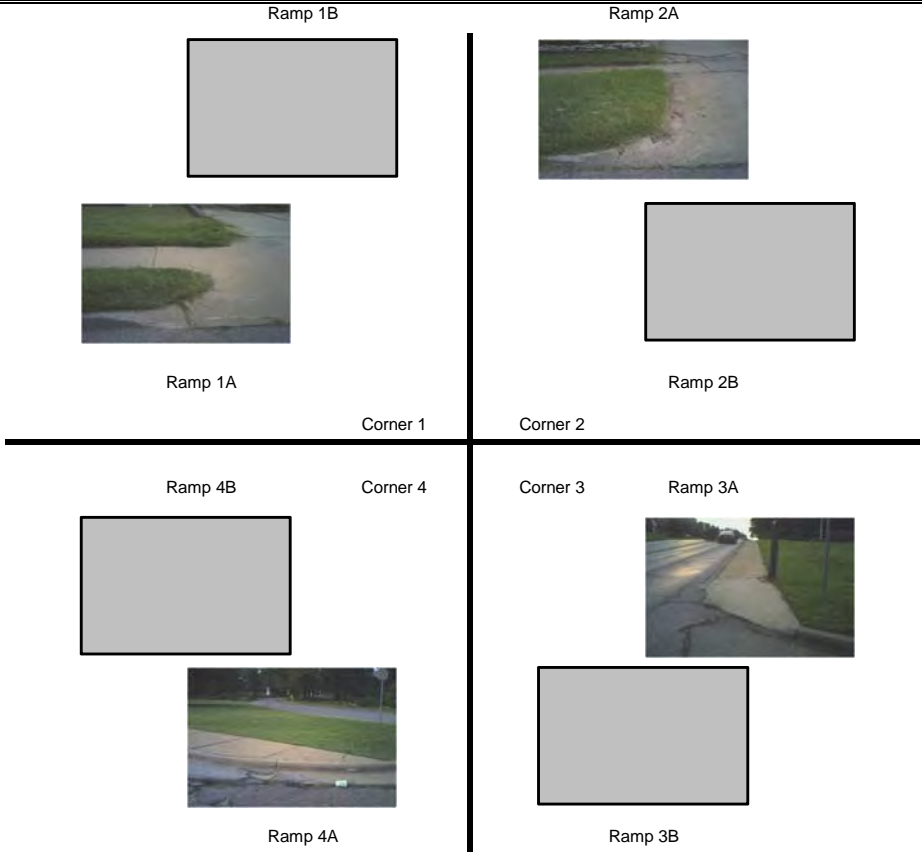
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed						X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X				Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X				
No color contrast at base of ramp					X				Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"					X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	H			



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Rockford Ave and E 21st St

GPS ID: 13012

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	2	LS	\$ 1,000.00	\$ 2,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	12,931.40
Engineering: (% +/-)	15%	\$ 2,172.26
Contingency: (% +/-)	20%	\$ 2,896.34
Estimated Project Cost:	\$	18,000.00

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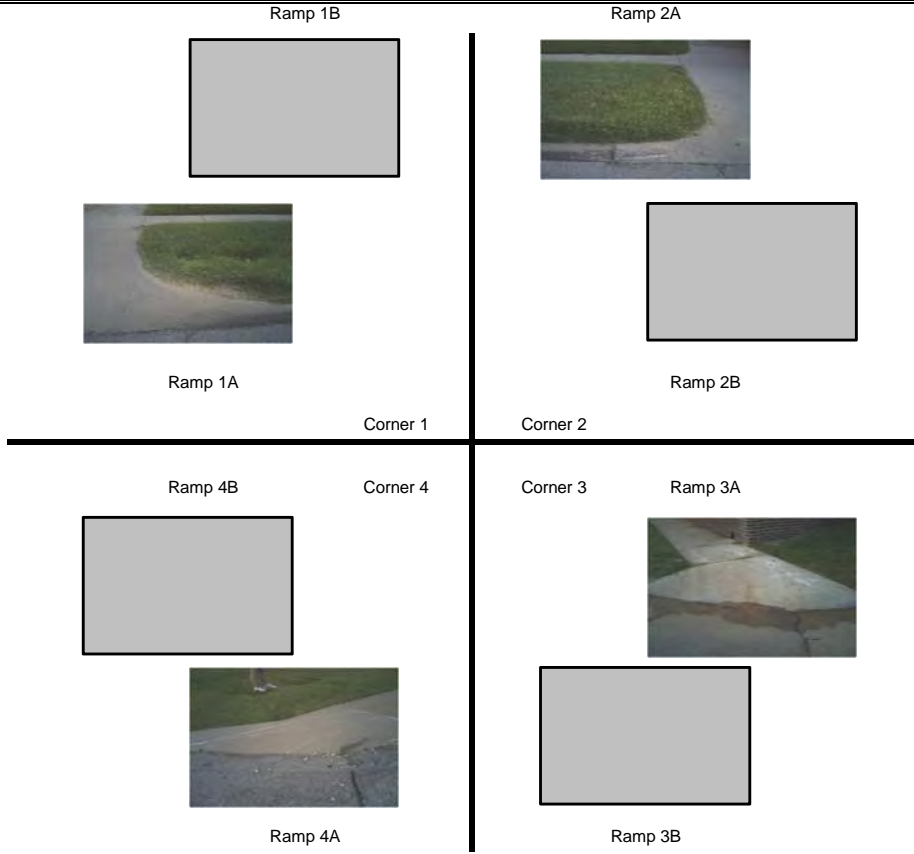
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%							X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"							X		Regrade roadway
Ponding occurs at base of ramp					X				
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	M	H				



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S St Louis Ave

GPS ID: 13013

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	33.33	SY	\$ 10.00	\$ 333.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	220	LF	\$ 6.50	\$ 1,430.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	3	LS	\$ 1,000.00	\$ 3,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	20,228.40
Engineering: (% +/-)	15%	\$ 3,330.69
Contingency: (% +/-)	20%	\$ 4,440.91
Estimated Project Cost:	\$	28,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

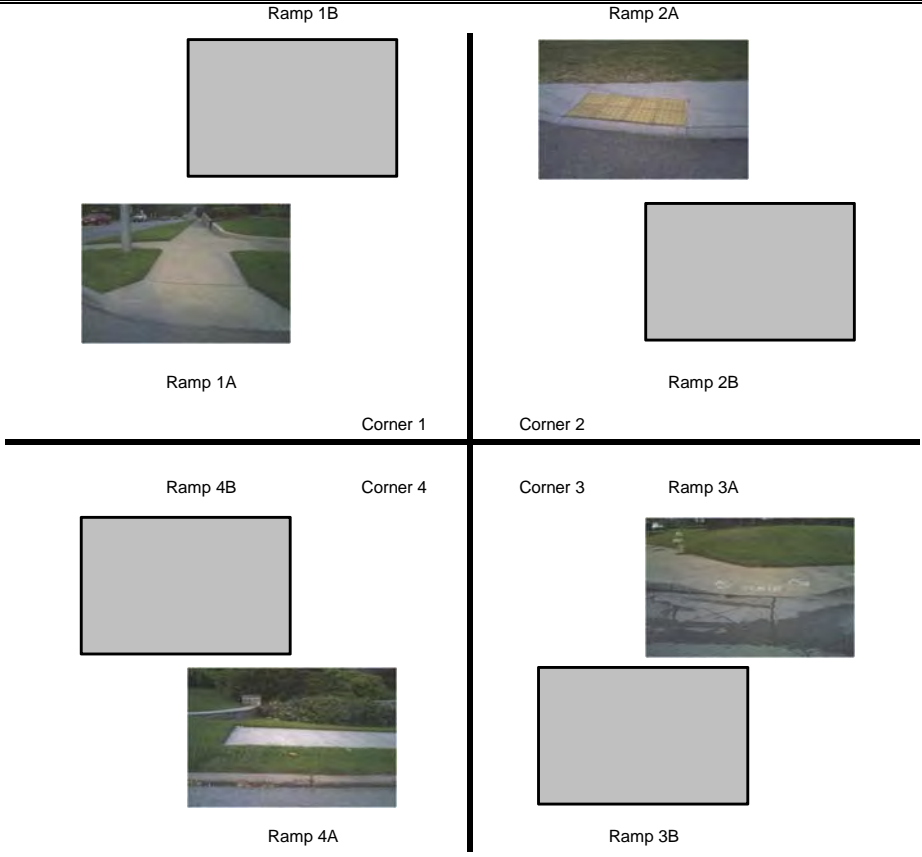
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed						X			Install handicap ramp
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X		X				Remove and replace ramp
Ramp cross slope is greater than 2%			X						
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X				X				Install colored truncated domes
No color contrast at base of ramp	X				X				
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist			X		X				Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X				Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Atlanta PI

GPS ID: 13017a

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	50	LF	\$ 6.50	\$ 325.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,931.40
Engineering: (% +/-)	15%	\$ 1,315.11
Contingency: (% +/-)	20%	\$ 1,753.49
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

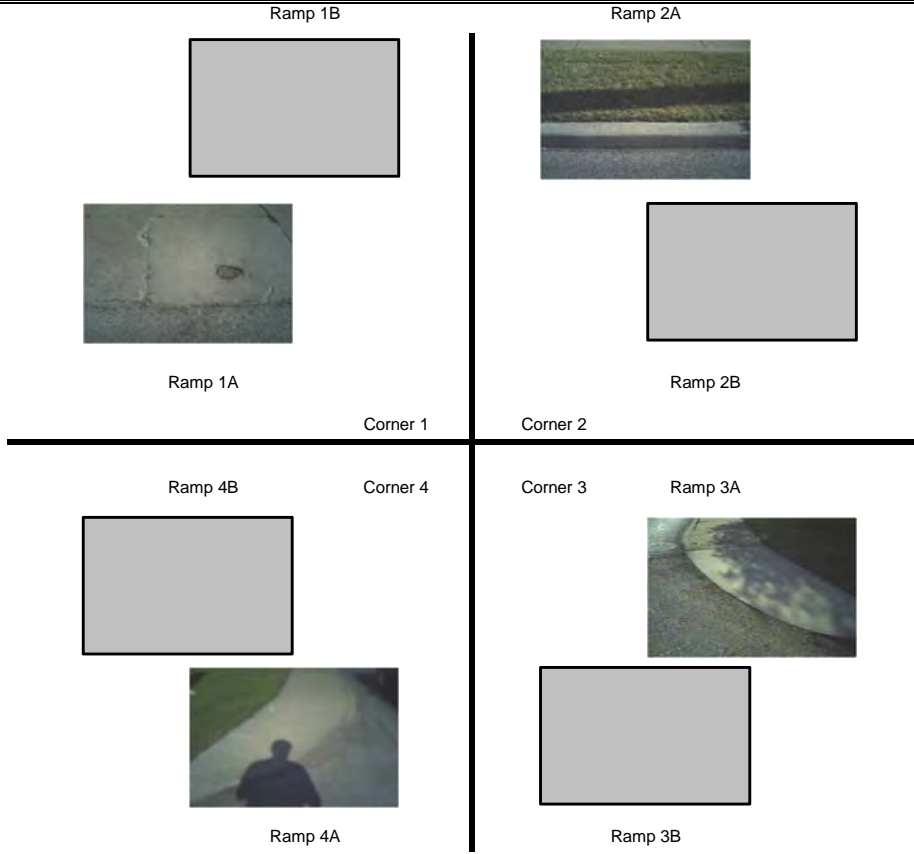
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	N/A	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	N/A	N/A	-	N/A	
Crosswalk striping	N/A	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%					X				
Ramp cross slope is greater than 2%					X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp					X		X		Install colored truncated domes
No color contrast at base of ramp					X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist					X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp							X		Regrade roadway
Ramp not needed due to existing geometry									
Ramp Priority:	-	-	-	-	H	-	H	-	



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Atlanta Ave and E 21st St

GPS ID: 13017

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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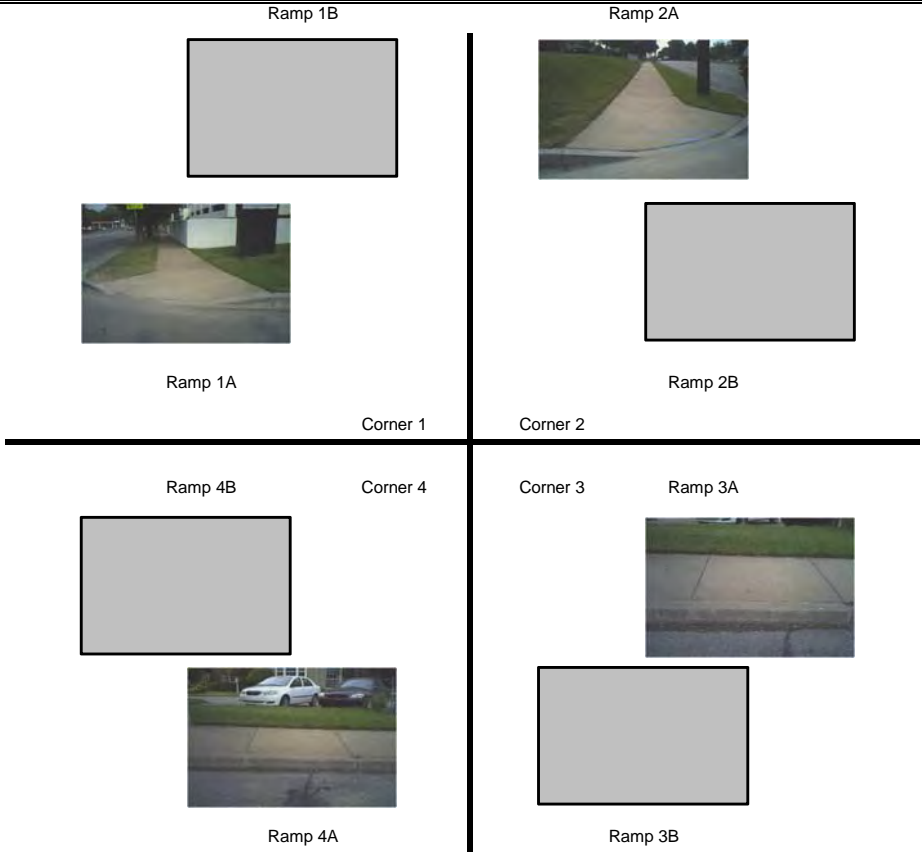
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Birmingham Ave

GPS ID: 13018

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,126.40
Engineering: (% +/-)	15%	\$ 2,088.69
Contingency: (% +/-)	20%	\$ 2,784.91
Estimated Project Cost:	\$	16,000.00

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Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X								
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4



Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma Date: 6/25/12
 Program: ADA Self-Evaluation and Transition Plan Update Prepared By: EPE
 KHA No.: 061274700 Checked By: SRA

Project Name: Intersection of E 21st St and S Evanston Ave GPS ID: 13019

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost		Subtotal:	\$	6,126.40
<input checked="" type="checkbox"/> No Design		Engineering: (% +/-)	15%	\$ 1,231.54
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 1,642.06
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

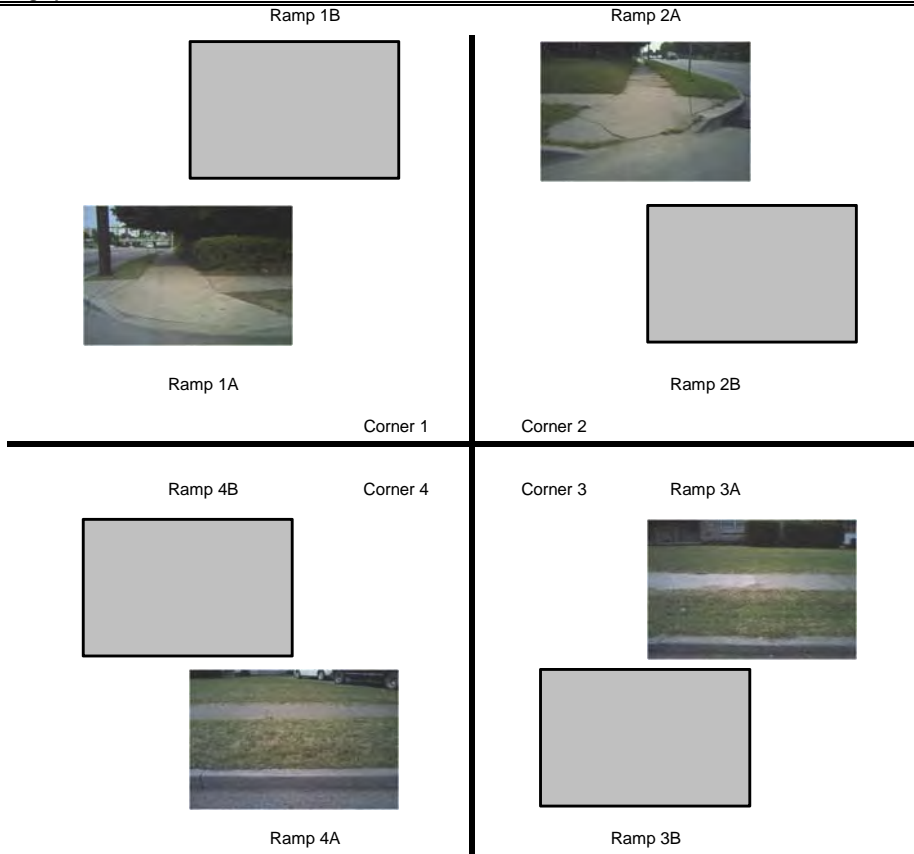
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%	X		X						
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						
No color contrast at base of ramp	X		X						Install colored truncated domes
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



End of Project Description for Project 13019 Intersection of E 21st St and S Evanston Ave

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S College Ave

GPS ID: 13020

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	1	LS	\$ 1,000.00	\$ 1,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	7,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	10,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

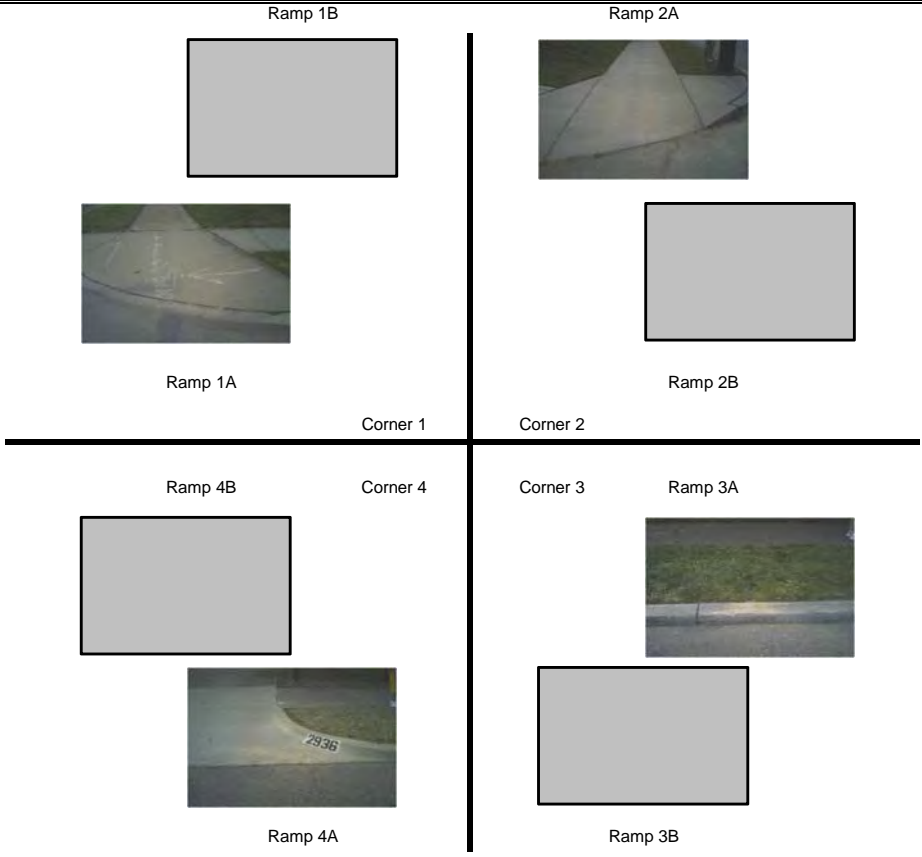
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%	X		X						
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%	X		X						Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"			X						Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of S Florence Ave and E 21st St

GPS ID: 13021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	47.23	SY	\$ 10.00	\$ 472.30
2	REMOVING CONC (WHEELCHAIR RAMP)	30.33	SY	\$ 30.00	\$ 909.90
3	CONCRETE SIDEWALK (SD-1) (4")	47.23	SY	\$ 80.00	\$ 3,778.40
4	PAVEMENT STRIPING 12" THERMOPLASTIC	100	LF	\$ 6.50	\$ 650.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	3	EA	\$ 1,500.00	\$ 4,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	4	LS	\$ 1,000.00	\$ 4,000.00
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	14,610.60
Engineering: (% +/-)	15%	\$ 2,309.74
Contingency: (% +/-)	20%	\$ 3,079.66
Estimated Project Cost:	\$	20,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

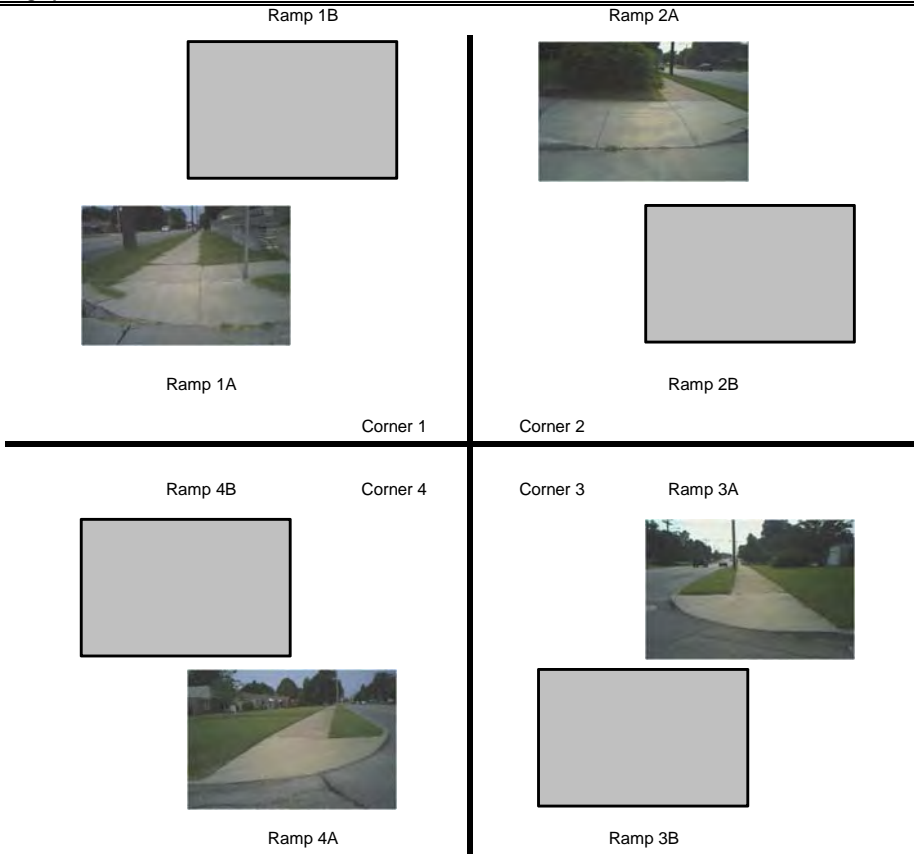
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Good	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	-	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%	X		X						Remove and replace ramp
Ramp cross slope is greater than 2%	X		X		X				
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X		X		X		Install colored truncated domes
No color contrast at base of ramp	X		X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X		X		X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"	X		X		X		X		Regrade roadway
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		H		H		



End of Project Description for Project 13021 Intersection of S Florence Ave and E 21st St

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Florence PI

GPS ID: 13022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	44.44	SY	\$ 10.00	\$ 444.40
2	REMOVING CONC (WHEELCHAIR RAMP)	60.66	SY	\$ 30.00	\$ 1,819.80
3	CONCRETE SIDEWALK (SD-1) (4")	44.44	SY	\$ 80.00	\$ 3,555.20
4	PAVEMENT STRIPING 12" THERMOPLASTIC	130	LF	\$ 6.50	\$ 845.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	4	EA	\$ 1,500.00	\$ 6,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	17,664.40
Engineering: (% +/-)	15%	\$ 2,715.26
Contingency: (% +/-)	20%	\$ 3,620.34
Estimated Project Cost:	\$	24,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	Danger	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	X	N/A	
Crosswalk striping	No	N/A	No	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%		X							
Ramp cross slope is greater than 2%		X	X		X		X		Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp		X	X		X		X		Install colored truncated domes
No color contrast at base of ramp		X	X		X		X		
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist		X	X				X		Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry	X				X				Remove ramp
Ramp Priority:	H	H	H	H	M		M		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B



Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Gary Ave

GPS ID: 13023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	0	EA	\$ 5,000.00	\$ -
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	6,126.40
Engineering: (% +/-)	15%	\$ 1,231.54
Contingency: (% +/-)	20%	\$ 1,642.06
Estimated Project Cost:	\$	9,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

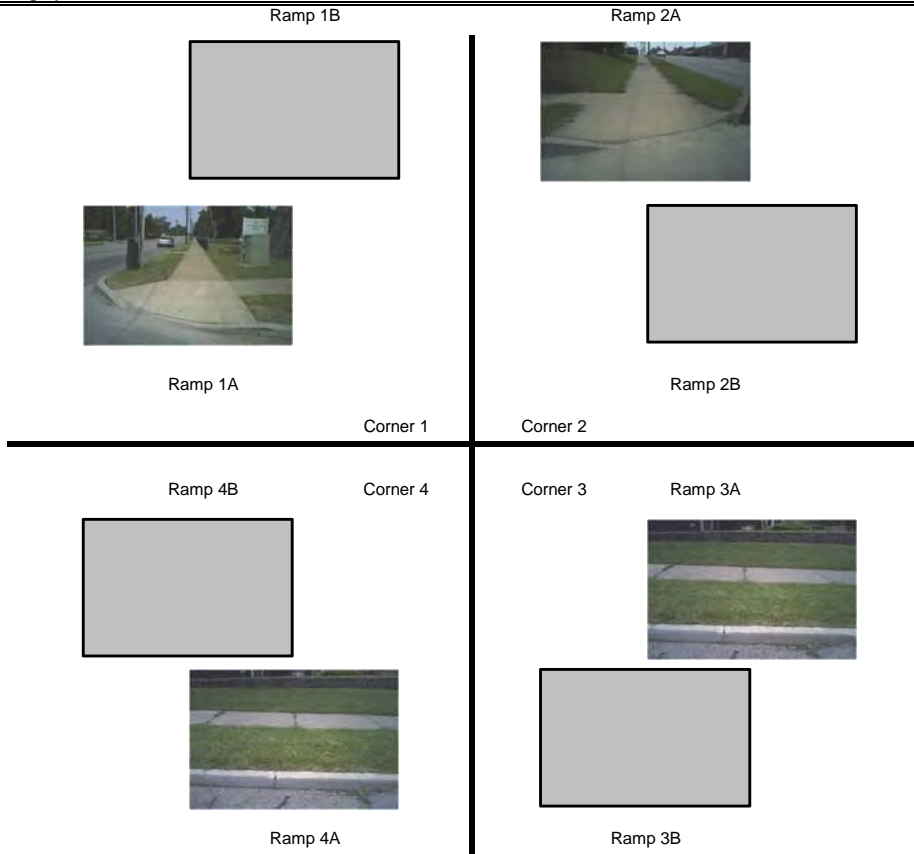
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	Install crosswalk pavement markings

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%	X								Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Gary Pl

GPS ID: 13024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	25.01	SY	\$ 10.00	\$ 250.10
2	REMOVING CONC (WHEELCHAIR RAMP)	10.11	SY	\$ 30.00	\$ 303.30
3	CONCRETE SIDEWALK (SD-1) (4")	25.01	SY	\$ 80.00	\$ 2,000.80
4	PAVEMENT STRIPING 12" THERMOPLASTIC	80	LF	\$ 6.50	\$ 520.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	1	EA	\$ 1,500.00	\$ 1,500.00
7	TRUNCATED DOMES (TMTD-1)	10	SF	\$ 30.00	\$ 300.00
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	9,874.20
Engineering: (% +/-)	15%	\$ 1,768.20
Contingency: (% +/-)	20%	\$ 2,357.60
Estimated Project Cost:	\$	14,000.00

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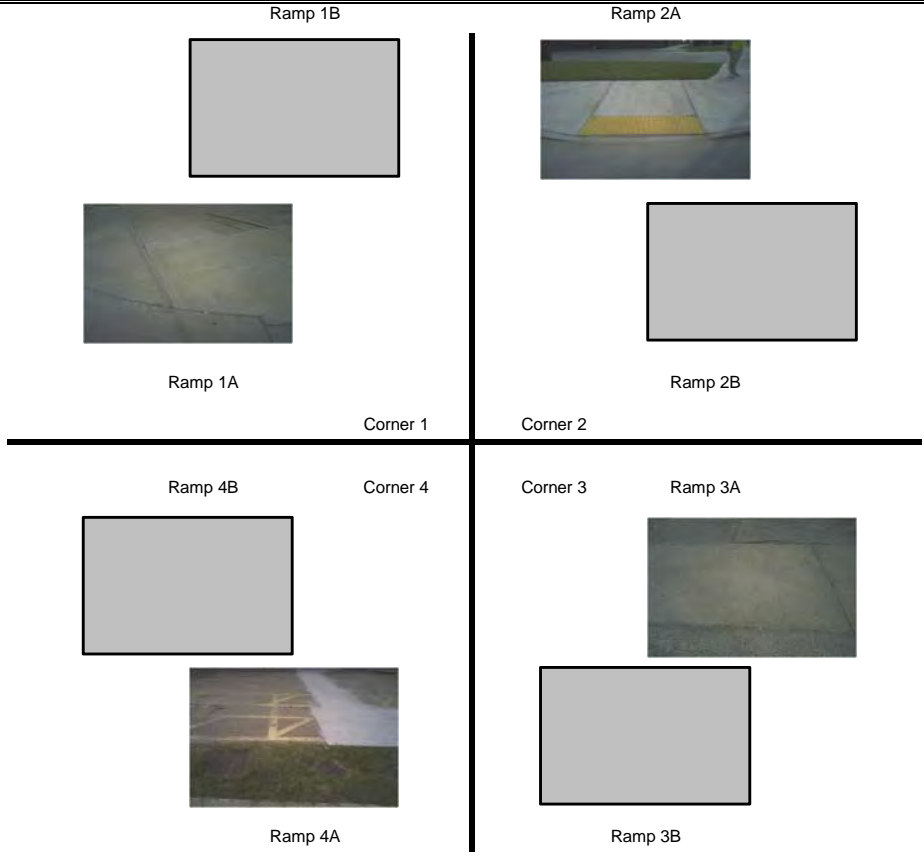
Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Good	N/A	N/A	N/A	
Crosswalk cross slope is greater than 2%	X	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%									
Ramp running slope is greater than 8.33%									
Ramp cross slope is greater than 2%				X					Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area									
No textured surface at base of ramp	X								Install colored truncated domes
No color contrast at base of ramp	X								
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X		X						Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	M		H		-		-		



Client: City of Tulsa, Oklahoma
 Program: ADA Self-Evaluation and Transition Plan Update
 KHA No.: 061274700

Date: 6/25/12
 Prepared By: EPE
 Checked By: SRA

Project Name: Intersection of E 21st St and S Indianapolis Ave

GPS ID: 13025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
1	SIDEWALK REMOVAL (SD-1)	22.22	SY	\$ 10.00	\$ 222.20
2	REMOVING CONC (WHEELCHAIR RAMP)	20.22	SY	\$ 30.00	\$ 606.60
3	CONCRETE SIDEWALK (SD-1) (4")	22.22	SY	\$ 80.00	\$ 1,777.60
4	PAVEMENT STRIPING 12" THERMOPLASTIC	90	LF	\$ 6.50	\$ 585.00
5	PAVEMENT MARKING REMOVAL	0	LF	\$ 2.00	\$ -
6	HANDICAP RAMP (HR-1)	2	EA	\$ 1,500.00	\$ 3,000.00
7	TRUNCATED DOMES (TMTD-1)	0	SF	\$ 30.00	\$ -
8	REMOVE PUSH BUTTON	0	EA	\$ 100.00	\$ -
9	PEDESTRIAN PUSH BUTTON	0	EA	\$ 350.00	\$ -
10	RELOCATE PED PUSH BTN	0	EA	\$ 500.00	\$ -
11	PEDESTAL POLE	0	EA	\$ 1,500.00	\$ -
12	REPAVE ROADWAY	1	EA	\$ 5,000.00	\$ 5,000.00
13	REGRADE ROADWAY	0	LS	\$ 1,000.00	\$ -
14	REMOVE BOLLARD	0	EA	\$ 1,000.00	\$ -
15					
16					
17					
18					
19					
20					
21					
22					

Basis for Cost

- No Design
- Preliminary Design
- Final Design

Subtotal:	\$	11,191.40
Engineering: (% +/-)	15%	\$ 2,060.83
Contingency: (% +/-)	20%	\$ 2,747.77
Estimated Project Cost:	\$	16,000.00

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Pavement condition at the crosswalk	Poor	N/A	N/A	N/A	Repave roadway and install crosswalk pavement markings
Crosswalk cross slope is greater than 2%	-	N/A	N/A	N/A	
Crosswalk striping	No	N/A	N/A	N/A	

Ramp Issues	Ramp ID								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Ramp does not land in crosswalk									
No 48" extension into crosswalk									
Ramp does not exist and is needed									
Flare cross slope is greater than 10%			X						
Ramp running slope is greater than 8.33%			X						
Ramp cross slope is greater than 2%									Remove and replace ramp
Ramp width is less than 36"									
Obstruction present in ramp or landing area	X								
No textured surface at base of ramp	X		X						Install colored truncated domes
No color contrast at base of ramp	X		X						
Landing area is less than 5' x 5', has a cross slope greater than 2% or does not exist	X								Install landing area
No pedestrian push buttons									
Pedestrian pushbutton diameter is not 2"									
Pedestrian pushbutton height is greater than 42"									
Pedestrian head offset is greater than 10' from the nearest crosswalk edge									
Clear floor space for pedestrian pushbutton is less than 30" x 48", has a cross slope greater than 2% or does not exist									
Ramp transition onto roadway is greater than 0.25"									
Ponding occurs at base of ramp									
Ramp not needed due to existing geometry									
Ramp Priority:	H		H		-		-		

Ramp 1B



Ramp 2A



Ramp 1A



Ramp 2B

Corner 1

Corner 2

Ramp 4B

Corner 4

Corner 3

Ramp 3A



Ramp 4A



Ramp 3B

Appendix E

Implementation Schedules

Appendix E1: Transit Stops

Appendix E2: Signalized Intersections

Appendix E3: Arterial Sidewalk Corridors and
Unsignalized Intersections

Appendix E

Implementation Schedules

Appendix E1: Transit Stops

Tulsa ADA Self-evaluation and Transition Plan Update
Transit Cost Projection Summary
8/20/2012

Location Number	Route Number - Location Name	Cost Projection	Priority	Pedestrian Attractor Score
FY 2013-2014				
0001	Route: 222C - E 6th St S ~ north (west of S Owasso Ave)	\$ 200.00	High	31.25
0042	Route: 105 - S Peoria Ave ~ east (north of E Skelly Dr)	\$ 2,100.00	High	31
0043	Route: 222C - E Pine St ~ north (west of N 93rd E Ave)	\$ 6,100.00	High	31
0044	Route: 222C - E Pine St ~ north (west of N Greenwood Pl)	\$ 1,200.00	High	31
0046	Route: 222C - E Pine St ~ south (west of N Indianapolis Ave)	\$ 300.00	High	31
0047	Route: 222C - E Pine St ~ south (west of N 89th E Ave)	\$ 4,500.00	High	31
0048	Route: 222C - N Peoria Ave ~ east (north of E Pine St)	\$ 300.00	High	31
0049	Route: 222C - E Pine St ~ north (west of N Yale Ave)	\$ 1,600.00	High	31
0015	Route: 222C - E 41st St S ~ south (west of S Rockford Ave, north leg)	\$ 1,400.00	High	30.5
0028	Route: 222C - N Elgin Ave ~ east (north of E Independence St)	\$ 900.00	High	29.25
0008	Route: 105 - E 2nd St ~ south (east of S Main St)	\$ 200.00	High	28.5
0010	Route: 222C - E 31st St ~ north (west of S Yale Ave)	\$ 1,700.00	High	28
0011	Route: 222C - E 41st St ~ north (west of S 102nd E Ave)	\$ 700.00	High	26
0036	Route: 105 - S Peoria Ave ~ west (south of E 53rd St)	\$ 1,800.00	High	26
	Subtotal	\$ 23,000.00		
FY 2014-2015				
0037	Route: 105 - N Peoria ~ west (south of E 56th St N)	\$ 4,700.00	High	26
0039	Route: 105 - S Peoria Ave ~ east (north of E 57th Pl)	\$ 400.00	High	26
0040	Route: 105 - S Peoria Ave ~ east (north of E 61st St S)	\$ 1,500.00	High	26
0006	Route: 222C - E Oklahoma St ~ south (west of N Lansing Ave)	\$ 800.00	High	25.5
0013	Route: 222C - E 41st St ~ north (west of S 68th E Ave)	\$ 800.00	High	23.5
0017	Route: 222C - S Memorial Dr ~ east (north of E 41st St)	\$ 3,800.00	High	23.5
0023	Route: 222C - W Archer St ~ south (east of S Main St)	\$ 200.00	High	22.75
0026	Route: 222C - S Garnett Rd ~ west (north of E 19th St)	\$ 300.00	High	21
0027	Route: 222C - S Garnett Rd ~ east (north of E 29th St, east leg)	\$ 1,100.00	Medium	33
0045	Route: 222C - E Pine St ~ south (east of Greenwood Ave, south leg)	\$ 1,400.00	Medium	31
0002	Route: 101 - N Cincinnati Ave E ~ east (north of E Pine St)	\$ 700.00	Medium	28.5
0035	Route: 105 - S Peoria Ave ~ west (south of E 51st St S)	\$ 700.00	Medium	28
0012	Route: 222C - E 41st St ~ south (west of S 94th E Ave)	\$ 1,400.00	Medium	23.5
0018	Route: 222C - S Sheridan Rd ~ east (north of E 41st St)	\$ 1,400.00	Medium	21
	Subtotal	\$ 19,200.00		
	TOTAL	\$ 42,200.00		

Appendix E

Implementation Schedules

Appendix E2: Signalized Intersections

Tulsa ADA Self-evaluation and Transition Plan Update
Signalized Intersection Cost Projection Summary
8/20/2012

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
FY 2013-2014				
0143	Intersection of S Memorial Dr and E 4th Pl - ADA Complaint	\$ 14,000.00	High	34.75
0212	Intersection of Mohawk Blvd and N Cincinnati Ave - ADA Complaint	\$ 20,000.00	High	33.50
0232	Intersection of N Peoria Ave and E 56th St N - ADA Complaint	\$ 18,000.00	High	33.50
0209	Midblock Crossing at E 46th St N (east of N Frankfort Pl) - ADA Complaint	\$ 10,000.00	High	33.25
0196	Intersection of S Yale Ave and I-244 WB Ramp - ADA Complaint	\$ 22,000.00	High	32.55
0218	Intersection of N Hartford Ave and E 36th St N - ADA Complaint	\$ 26,000.00	High	30.25
0026	Intersection of E 31st St and S New Haven Ave - ADA Complaint	\$ 22,000.00	High	29.00
211a	Intersection of N Cincinnati Ave and I-244 WB Ramp - ADA Complaint	\$ 21,000.00	High	28.25
211b	Intersection of N Cincinnati Ave and I-244 EB Ramp - ADA Complaint	\$ 18,000.00	High	28.25
0226	Intersection of N Memorial Dr and I-244 - ADA Complaint	\$ 23,000.00	High	27.75
0545	Intersection of S Yale Ave and E 31st St - ADA Complaint	\$ 29,000.00	High	26.25
0227	Intersection of S Memorial Dr and E 68th St - ADA Complaint	\$ 27,000.00	High	26.00
0230	Intersection of E 101st St and S Memorial Dr - ADA Complaint	\$ 25,000.00	High	26.00
0216	Intersection of S Garnett Rd and Union E.S. Driveway (7601 S Garnett Rd) - ADA Complaint	\$ 32,000.00	High	25.75
214a	Intersection of N Detroit Ave and I-244 WB Ramp - ADA Complaint	\$ 18,000.00	High	25.75
214b	Intersection of N Detroit Ave and I-244 EB Ramp - ADA Complaint	\$ 18,000.00	High	25.75
0197	Intersection of S Yale Ave and I-244 WB Ramp - ADA Complaint	\$ 22,000.00	High	25.50
0221	Intersection of E 56th St N and N Lewis Ave - ADA Complaint	\$ 26,000.00	High	25.50
219a	Intersection of S Harvard Ave and I-244 WB Ramp - ADA Complaint	\$ 21,000.00	High	25.50
219b	Intersection of S Harvard Ave and I-244 EB Ramp - ADA Complaint	\$ 21,000.00	High	25.50
0228	Intersection of E 91st St and S Memorial Dr - ADA Complaint	\$ 27,000.00	High	23.50
0117	Intersection of S Harvard Ave and SH 51 EB Exit Ramp - ADA Complaint	\$ 12,000.00	High	22.50
0118	Intersection of S Harvard Ave and SH 51 WB Ramp - ADA Complaint	\$ 26,000.00	High	22.50
307A	Intersection of E 15th St and SH 51 WB Exit Ramp - ADA Complaint	\$ 9,000.00	High	22.40
0222	Intersection of N Lewis Ave and E 46th St N - ADA Complaint	\$ 28,000.00	High	21.25
0176	Intersection of N Sheridan Rd and I-244 Ramp - ADA Complaint	\$ 23,000.00	High	18.50
0540	Intersection of S Yale Ave and I-44 EB Ramp - ADA Complaint	\$ 29,000.00	High	17.50
0541	Intersection of S Yale Ave and I-44 WB Ramp - ADA Complaint	\$ 48,000.00	High	17.50
0418	Intersection of Riverside Dr and E 81st St	\$ 55,000.00	High	58.10
0363	Intersection of E 41st St and S 109th East Ave	\$ 37,000.00	High	52.80
		Subtotal	\$ 727,000.00	
FY 2014-2015				
0308	Intersection of S Garnett Rd and E 11th St	\$ 63,000.00	High	51.05
0150	Intersection of S Peoria Ave and E 45th Pl (west)	\$ 15,000.00	High	44.35
0153	Intersection of S Peoria Ave and E 35th St	\$ 18,000.00	High	39.15
0329	Intersection of S Garnett Rd and E 21st St	\$ 30,000.00	High	36.65
0169	Intersection of E 31st St and S Sheridan Rd	\$ 20,000.00	High	36.40
0184	Intersection of S Utica Ave and E 12th St	\$ 41,000.00	High	36.40
0391	Intersection of S Yale Ave and E 61st St	\$ 65,000.00	High	36.35
0147	Intersection of S Peoria Ave and E 56th St	\$ 30,000.00	High	36.10
0122	Intersection of S Harvard Ave and E 11th St	\$ 30,000.00	High	35.50
0130	Intersection of S Lewis Ave and E 15th St	\$ 38,000.00	High	35.05
0132	Intersection of E 14th St and S Lewis Ave	\$ 18,000.00	High	35.05
0177	Intersection of N Sheridan Rd and E King St (north)	\$ 12,000.00	High	32.55
0072	Intersection of S Peoria Ave and E 6th St (south)	\$ 23,000.00	High	32.30
0133	Intersection of S Lewis Ave and E 11th St	\$ 18,000.00	High	32.05
0140	Intersection of E 41st St and S Memorial Dr	\$ 22,000.00	High	31.85
0341	Intersection of S Mingo Rd and E 31st St	\$ 18,000.00	High	31.85
0345	Intersection of S Garnett Rd and E 31st St	\$ 35,000.00	High	31.85
0300	Intersection of S Delaware Ave and E 11th St	\$ 45,000.00	High	31.70
0121	Intersection of S Harvard Ave and E 15th St	\$ 27,000.00	High	31.55
0315	Intersection of E 21st St and S Wheeling Ave	\$ 64,000.00	High	31.55
0420	Intersection of E 81st St and Mabee Center Driveway	\$ 26,000.00	High	31.50
0194	Intersection of S Yale Ave and E 11th St	\$ 29,000.00	High	31.30
0330	Intersection of S 121st East Ave and E 21st St	\$ 33,000.00	High	31.10
0111	Intersection of S Memorial Dr and E Admiral Pl	\$ 27,000.00	High	31.05
		Subtotal	\$ 747,000.00	
FY 2015-2016				
0071	Intersection of S Lewis Ave and E 6th St	\$ 23,000.00	High	31.00
0073	Intersection of S Delaware Ave and E 6th St	\$ 20,000.00	High	31.00
0106	Intersection of S Boston St and E 10th St	\$ 16,000.00	High	31.00
0113	Intersection of S Main St and E 10th St	\$ 26,000.00	High	31.00
0126	Intersection of S Lewis Ave and E 61st St	\$ 25,000.00	High	31.00
0127	Intersection of S Lewis Ave and E 21st St	\$ 48,000.00	High	31.00
0199	Intersection of S Delaware Ave and I-244 South	\$ 19,000.00	High	31.00
0200	Intersection of S Delaware Ave and I-244 North	\$ 21,000.00	High	31.00
0014	Intersection of E 1st St and S Cincinnati Ave	\$ 10,000.00	High	29.55
0116	Intersection of S Harvard Ave and E 27th St	\$ 18,000.00	High	29.50

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Signalized Intersection Cost Projection Summary
8/20/2012

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
0159	Intersection of E 11th St and S Peoria Ave	\$ 34,000.00	High	29.35
0425	Intersection of S Memorial Dr and E 81st St	\$ 42,000.00	High	29.30
0421	Intersection of E 81st St and S Delaware Ave	\$ 19,000.00	High	29.25
0034	Intersection of S Cincinnati Ave and E 3rd St	\$ 2,000.00	High	29.00
0144	Intersection of S Memorial Dr and E 2nd St	\$ 26,000.00	High	29.00
0349	Intersection of N Cincinnati Ave and E 36th St N	\$ 50,000.00	High	28.85
0304	Intersection of S Mingo Rd and E 11th St	\$ 39,000.00	High	28.80
0444	Intersection of E Admiral Pl and N Lewis Ave	\$ 73,000.00	High	28.80
0089	Intersection of S Denver Ave and W 7th St	\$ 25,000.00	High	28.75
0164	Intersection of N Peoria Ave and E Pine St	\$ 26,000.00	High	28.60
0191	Intersection of S Yale Ave and E 41st St	\$ 21,000.00	High	28.55
0005	Intersection of E 31st St and S 129th East Ave	\$ 25,000.00	High	27.80
0375	Intersection of S Sheridan Rd and E 51st St	\$ 39,000.00	High	27.80
0178	Intersection of N Sheridan Rd and E Pine St	\$ 38,000.00	High	27.75
0305	Intersection of E 11th St and S 101st East Ave	\$ 50,000.00	High	27.65
0104	Intersection of S Elgin Ave and E 8th St	\$ 26,000.00	High	27.55
Subtotal		\$ 761,000.00		
FY 2016-2017				
0306	Intersection of E 11th St and US 169 SB Ramp	\$ 51,000.00	High	27.65
0193	Intersection of S Yale Ave and E 15th St	\$ 32,000.00	High	27.55
0615	Intersection of S Boulder Ave W and W 15th St	\$ 76,000.00	High	27.55
0165	Intersection of E Pine St and N Cincinnati Ave	\$ 31,000.00	High	27.30
0023	Intersection of E 2nd St and S Cincinnati Ave	\$ 12,000.00	High	27.25
0119	Intersection of S Harvard Ave and E 21st St	\$ 29,000.00	High	27.25
0151	Intersection of E 41st St and S Peoria Ave	\$ 37,000.00	High	27.25
0152	Intersection of E 36th St and S Peoria Ave	\$ 29,000.00	High	27.25
0182	Intersection of S Utica Ave and E 14th St	\$ 19,000.00	High	27.25
0314	Intersection of S Cincinnati Ave and E 21st St	\$ 59,000.00	High	27.05
0321	Intersection of E 21st St and S Sheridan Rd	\$ 22,000.00	High	27.05
0364	Intersection of E 41st St and S Garnett Rd	\$ 40,000.00	High	27.05
0411	Intersection of S Mingo Rd and E 71st St	\$ 34,000.00	High	27.05
0044	Midblock Crossing at E 41st St (east of S Pittsburg Ave)	\$ 13,000.00	High	27.00
0124	Intersection of N Harvard Ave and E Pine St	\$ 23,000.00	High	27.00
0313	Intersection of W 21st St and S Boulder Park Dr	\$ 54,000.00	High	27.00
0323	Intersection of E 21st St and S 91st East Ave	\$ 32,000.00	High	27.00
0484	Intersection of S Lewis Ave and Mabee Center Northwest Entrance	\$ 34,000.00	High	27.00
0524	Intersection of S Sheridan Rd and SH 51 WB Ramp	\$ 36,000.00	High	26.95
0087	Intersection of S Memorial Dr and E 71st St	\$ 28,000.00	High	26.80
0185	Intersection of S Utica Ave and E 11th St	\$ 33,000.00	High	26.80
0110	Intersection of S 73rd East Ave and E Admiral Pl	\$ 35,000.00	High	26.75
Subtotal		\$ 759,000.00		
FY 2017-2018				
0370	Intersection of W 51st St and S 33rd West Ave	\$ 37,000.00	High	26.55
0377	Intersection of S Memorial Dr and E 51st St	\$ 62,000.00	High	26.55
0446	Intersection of S Sheridan Rd and E Admiral Pl	\$ 94,000.00	High	26.55
0006	Midblock Crossing at S 129th E Ave (north of E 26th St)	\$ 9,000.00	High	26.50
0033	Intersection of S Boston Ave and E 3rd St	\$ 4,000.00	High	26.50
0120	Midblock Crossing at S Harvard Ave (north of E 19th St)	\$ 12,000.00	High	26.50
0163	Intersection of N Peoria Ave and E Virgin St	\$ 31,000.00	High	26.50
0175	Midblock Crossing at S Sheridan Rd (north of E 3rd St)	\$ 8,000.00	High	26.50
0138	Intersection of N Lewis Ave and E Pine St	\$ 17,000.00	High	26.25
0139	Intersection of E 1st St and S Lewis Ave	\$ 22,000.00	High	26.25
0394	Intersection of E 61st St and S Sheridan Rd	\$ 72,000.00	High	26.15
0241	Intersection of S Sheridan Rd and E 43rd St	\$ 18,000.00	High	25.75
0070	Intersection of S Elgin Ave and E 6th St	\$ 24,000.00	High	25.55
0350	Intersection of N Lewis Ave and E 36th St N	\$ 54,000.00	High	25.30
0094	Intersection of E 7th St and S Cincinnati Ave	\$ 19,000.00	High	25.25
0095	Intersection of S Detroit Ave and E 7th St	\$ 23,000.00	High	25.25
0096	Intersection of E 7th St and S Elgin Ave	\$ 31,000.00	High	25.25
0333	Intersection of N 25th West Ave and W Edison St	\$ 30,000.00	High	25.25
0513	Intersection of Riverside Pkwy and River Spirit Casino Entrance	\$ 19,000.00	High	25.25
0618	Intersection of S Main St and W 15th St	\$ 73,000.00	High	25.15
0035	Intersection of S Detroit Ave and E 3rd St	\$ 5,000.00	High	25.00
0155	Intersection of E 31st St and S Peoria Ave	\$ 18,000.00	High	25.00
0465	Intersection of S Garnett Rd and SH 51 WB Ramp	\$ 28,000.00	High	25.00
0307	Intersection of E 11th St and US 169 NB Ramp	\$ 31,000.00	High	24.80
Subtotal		\$ 741,000.00		

Tulsa ADA Self-evaluation and Transition Plan Update
Signalized Intersection Cost Projection Summary
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Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
FY 2018-2019				
0410	Intersection of S 92nd East Ave and E 71st St	\$ 47,000.00	High	24.80
0422	Intersection of S Harvard Ave and E 81st St	\$ 38,000.00	High	24.80
0452	Intersection of N Peoria Ave and E Apache St	\$ 57,000.00	High	24.80
0013	Intersection of W 1st St and S Main St	\$ 23,000.00	High	24.75
0015	Intersection of E 1st St and S Detroit Ave	\$ 25,000.00	High	24.75
0018	Intersection of E 1st St and S Boston Ave	\$ 21,000.00	High	24.75
0031	Intersection of W 3rd St and S Boulder Ave	\$ 9,000.00	High	24.75
0032	Intersection of W 3rd St and S Main St	\$ 5,000.00	High	24.75
0042	Intersection of E 41st St and Edison Prep School driveway	\$ 22,000.00	High	24.75
0043	Midblock Crossing at E 41st St (west of S Marion Ave)	\$ 9,000.00	High	24.75
0086	Intersection of S 73rd East Ave and E 71st St	\$ 28,000.00	High	24.75
0157	Intersection of S Peoria Ave and E 21st St	\$ 23,000.00	High	24.75
0183	Intersection of E 13th Pl and S Utica Ave	\$ 20,000.00	High	24.75
0316	Intersection of S Yorktown Ave and E 21st St	\$ 21,000.00	High	24.65
0473	Intersection of E 4th St and S Harvard Ave	\$ 13,000.00	High	24.65
0135	Intersection of S Lewis Ave and E Admiral Blvd	\$ 36,000.00	High	24.55
0148	Intersection of S Peoria Ave and E Skelly Dr (EB)	\$ 23,000.00	High	24.55
0173	Intersection of S Sheridan Rd and E 11th St	\$ 20,000.00	High	24.55
0331	Intersection of S 137th East Ave and E 21st St	\$ 21,000.00	High	24.55
0508	Midblock Crossing at E Pine St (east of N Atlanta Pl)	\$ 43,000.00	High	24.55
0533	Intersection of Southwest Blvd and W 17th St	\$ 19,000.00	High	24.55
0536	Intersection of S Yale Ave and E 101st St	\$ 38,000.00	High	24.55
0076	Intersection of S Wheeling Ave and E 71st St	\$ 29,000.00	High	24.50
0115	Intersection of S Harvard Ave and E 31st St	\$ 26,000.00	High	24.50
0317	Intersection of S Columbia Ave and E 21st St	\$ 22,000.00	High	24.50
0423	Intersection of E 81st St and S Yale Ave	\$ 37,000.00	High	24.50
0065	Intersection of W 6th St and S Main St	\$ 3,000.00	High	24.25
0085	Intersection of S Sheridan Rd and E 71st St	\$ 27,000.00	High	24.25
0090	Intersection of W 7th St and S Cheyenne Ave	\$ 25,000.00	High	24.25
0091	Intersection of W 7th St and S Boulder Ave	\$ 23,000.00	High	24.25
		Subtotal	\$ 753,000.00	
FY 2019-2020				
0123	Intersection of N Harvard Ave and E Independence St	\$ 29,000.00	High	24.25
0195	Intersection of S Yale Ave and E 4th Pl	\$ 35,000.00	High	24.25
308A	Intersection of S Delaware Ave and E 15th St	\$ 67,000.00	High	24.15
0445	Intersection of N Harvard Ave and E Admiral Pl	\$ 71,000.00	High	24.05
0007	Intersection of S 129th East Ave and E 21st St	\$ 12,000.00	High	24.00
0077	Intersection of S Lewis Ave and E 71 St	\$ 24,000.00	High	24.00
0084	Intersection of E 71st St and S Granite Ave	\$ 27,000.00	High	24.00
0142	Intersection of E 11th St and S Memorial Dr	\$ 19,000.00	High	24.00
0311	Intersection of Southwest Blvd and W 23rd St	\$ 45,000.00	High	24.00
0353	Intersection of W 41st St and S Union Pl	\$ 36,000.00	High	24.00
0366	Intersection of E 46th St N and N Cincinnati Ave	\$ 40,000.00	High	24.00
0453	Intersection of N Trenton Ave and E Apache St	\$ 67,000.00	High	24.00
0483	Intersection of S Lewis Ave and Oral Roberts University Main Entrance	\$ 34,000.00	High	24.00
321B	Midblock Crossing at E 21st St (west of S 73rd East Ave)	\$ 23,000.00	High	24.00
0500	Intersection of S Mingo Rd and E 66th St	\$ 39,000.00	High	23.90
0166	Intersection of E Pine St and N Greenwood Ave	\$ 21,000.00	High	23.75
0167	Intersection of E Pine St and N Midland Ave	\$ 25,000.00	High	23.75
0022	Intersection of W 2nd St and S Cheyenne Ave	\$ 16,000.00	High	23.25
0047	Intersection of W 4th St and S Denver Ave	\$ 17,000.00	High	23.25
0048	Intersection of S Cheyenne Ave and W 4th St	\$ 15,000.00	High	23.25
0055	Intersection of S Denver Ave and W 5th St	\$ 16,000.00	High	23.25
0056	Intersection of S Cheyenne Ave and W 5th St	\$ 26,000.00	High	23.25
0534	Intersection of Southwest Blvd and W 7th St	\$ 37,000.00	High	23.25
231a	Midblock Crossing at N Peoria Ave (north of E 50th St N)	\$ 9,000.00	High	23.00
		Subtotal	\$ 750,000.00	
FY 2020-2021				
0040	Intersection of S Lewis Ave and E 41st St	\$ 26,000.00	High	23.00
0068	Intersection of E 6th St and S Detroit Ave	\$ 24,000.00	High	23.00
0240	Intersection of S Sheridan Rd and E Skelly Dr	\$ 16,000.00	High	23.00
0529	Intersection of Southwest Blvd and S 33rd West Ave	\$ 60,000.00	High	23.00
0103	Intersection of S Detroit Ave and E 8th St	\$ 26,000.00	High	22.75
0301	Intersection of S Tucker Dr and E 11th St	\$ 31,000.00	High	22.75
0312	Intersection of S Jackson Ave and W 23rd St	\$ 35,000.00	High	22.75
0464	Intersection of S Garnett Rd and SH 51 EB Ramp	\$ 29,000.00	High	22.75
0010	Intersection of W 1st St and S Boulder Ave	\$ 23,000.00	High	22.50
0011	Intersection of W 1st St and S Cheyenne Ave	\$ 27,000.00	High	22.50

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Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
0020	Intersection of E 2nd St and S Detroit Ave	\$ 15,000.00	High	22.50
0021	Intersection of W 2nd St and S Boulder Ave	\$ 15,000.00	High	22.50
0025	Intersection of E 2nd St and S Elgin Ave	\$ 23,000.00	High	22.50
0062	Intersection of W 6th St and S Denver Ave	\$ 26,000.00	High	22.50
0063	Intersection of S Cheyenne Ave and W 6th St	\$ 22,000.00	High	22.50
0342	Intersection of E 31st St and US 169 SB Ramp	\$ 42,000.00	High	22.40
0601	Intersection of S Denver Ave W and W 12th St	\$ 41,000.00	High	22.40
0134	Intersection of S Lewis Ave and E 3rd St	\$ 22,000.00	High	22.30
0388	Intersection of S Peoria Ave and E 61st St	\$ 34,000.00	High	22.30
0396	Intersection of S Memorial Dr and E 61st St	\$ 60,000.00	High	22.30
0456	Intersection of N Yale Ave and E Apache St	\$ 84,000.00	High	22.30
0502	Intersection of S Mingo Rd and E 47th Pl	\$ 38,000.00	High	22.30
0526	Intersection of E 4th Pl and S Sheridan Rd	\$ 31,000.00	High	22.30
Subtotal		\$ 750,000.00		
FY 2021-2022				
0531	Intersection of Southwest Blvd and W 25th St	\$ 35,000.00	High	22.30
0614	Intersection of S Boston Ave and E 15th St	\$ 70,000.00	High	22.30
0004	Intersection of E 41st St and S 129th East Ave	\$ 22,000.00	High	22.25
0046	Intersection of E 41st St and S 74th E Ave	\$ 12,000.00	High	22.25
0114	Intersection of S Harvard Ave and E 41st St	\$ 32,000.00	High	22.25
0303	Intersection of E 11th St and S 73rd East Ave	\$ 59,000.00	High	22.25
0319	Intersection of E 21st St and S Pittsburg Ave	\$ 12,000.00	High	22.25
0339	Intersection of S Memorial Dr and E 31st St	\$ 46,000.00	High	22.25
0344	Intersection of S 108th East Ave and E 31st St	\$ 32,000.00	High	22.25
0352	Intersection of Southwest Blvd and W 41st St	\$ 17,000.00	High	22.25
0354	Intersection of Riverside Dr and E 41st St	\$ 21,000.00	High	22.25
0360	Intersection of S 102nd East Ave and E 41st St	\$ 40,000.00	High	22.25
0367	Intersection of E 46th St N and N Hartford Ave	\$ 41,000.00	High	22.25
0374	Intersection of E 51st St and S Hudson Ave	\$ 36,000.00	High	22.25
0376	Intersection of S 76th East Ave and E 51st St	\$ 36,000.00	High	22.25
0408	Intersection of E 71st St and S 85th East Ave	\$ 53,000.00	High	22.25
0409	Intersection of E 71st St and S 89th East Ave	\$ 44,000.00	High	22.25
0416	Intersection of E 71st St and S Garnett Rd	\$ 19,000.00	High	22.25
0419	Intersection of S Lewis Ave and E 81st St	\$ 35,000.00	High	22.25
0435	Intersection of S Sheridan Rd and E 91st St	\$ 17,000.00	High	22.25
0467	Intersection of E 17th St and S Garnett Rd	\$ 39,000.00	High	22.25
0469	Intersection of N Garnett Rd and E Pine St	\$ 32,000.00	High	22.25
Subtotal		\$ 750,000.00		
FY 2022-2023				
0468	Midblock Crossing at S Garnett Rd (south of E 7th St)	\$ 7,000.00	High	22.25
0476	Intersection of N Lewis Ave and Dawson Rd	\$ 29,000.00	High	22.25
0490	Intersection of S Memorial Dr and E 66th St	\$ 62,000.00	High	22.25
0494	Intersection of S Memorial Dr and E 35th St	\$ 60,000.00	High	22.25
0495	Intersection of E 33rd St and S Memorial Dr	\$ 38,000.00	High	22.25
0525	Midblock Crossing of S Sheridan Rd (north of E 24th St)	\$ 13,000.00	High	22.25
0527	Intersection of E Virgin St and N Sheridan Rd	\$ 66,000.00	High	22.25
0544	Intersection of S Yale Ave and E 36th St	\$ 46,000.00	High	22.25
321A	Midblock Crossing at E 21st St (east of S 67th East Ave)	\$ 19,000.00	High	22.25
445B	Intersection of E Admiral Pl and N Lakewood Ave	\$ 15,000.00	High	22.25
0172	Intersection of E 15th St and S Sheridan Rd	\$ 25,000.00	High	22.10
0037	Intersection of S Utica Ave and E 3rd St	\$ 49,000.00	High	22.05
0074	Intersection of E 71st St and Riverside Pkwy	\$ 18,000.00	High	22.05
0081	Intersection of S Yale Ave and E 71st St	\$ 28,000.00	High	22.00
0092	Intersection of W 7th St and S Main St	\$ 17,000.00	High	22.00
0149	Intersection of E Skelly Dr (WB) and S Peoria Ave	\$ 18,000.00	High	22.00
0179	Intersection of E 21st St S and S Utica Ave	\$ 20,000.00	High	22.00
0180	Intersection of S Utica Ave and E 19th St	\$ 21,000.00	High	22.00
0181	Intersection of S Utica Ave and E 15th St	\$ 23,000.00	High	22.00
0189	Intersection of S Yale Ave and E 55th Pl	\$ 26,000.00	High	22.00
0392	Intersection of E 61st St and St Francis	\$ 27,000.00	High	22.00
0393	Intersection of E 61st St and S Hudson Ave (north)	\$ 21,000.00	High	22.00
0427	Intersection of E 81st St and S 101st East Ave	\$ 24,000.00	High	22.00
0434	Intersection of E 91st St and S Yale Ave	\$ 30,000.00	High	22.00
0447	Intersection of S Garnett Rd and E Admiral Pl	\$ 23,000.00	High	22.00
406A	Intersection of W 71st St and Tulsa Hills Dr	\$ 23,000.00	High	22.00
Subtotal		\$ 748,000.00		
FY 2023-2024				
0455	Intersection of N Harvard Ave and E Apache St	\$ 89,000.00	High	22.00
0466	Midblock Crossing at S Garnett Rd (south of E 27th St)	\$ 10,000.00	High	22.00

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Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
0539	Intersection of S Yale Ave and E 65th St	\$ 35,000.00	High	22.00
0141	Intersection of E 15th St and S Memorial Dr	\$ 27,000.00	High	21.75
0302	Intersection of S Pittsburg Ave and E 11th St	\$ 49,000.00	High	21.75
0362	Intersection of E 41st St and US 169 NB Ramp	\$ 31,000.00	High	21.75
0454	Intersection of N Lewis Ave and E Apache St	\$ 66,000.00	High	21.75
0611	Intersection of S Houston Ave and W 11th St	\$ 47,000.00	High	21.75
0008	Intersection of E 11th St and S 129th East Ave	\$ 26,000.00	High	21.55
0336	Intersection of E 31st St and S Hudson Ave	\$ 51,000.00	High	21.50
0368	Intersection of N Peoria Ave and E 46th St N	\$ 30,000.00	High	21.50
0390	Intersection of E 61st St and Richard Shinn Blvd	\$ 16,000.00	High	21.50
0433	Intersection of E 91st St and S Harvard Ave	\$ 60,000.00	High	21.50
0514	Intersection of S Peoria Ave and Riverside Dr	\$ 49,000.00	High	21.50
460A	Midblock Crossing at N Cincinnati Ave (south of E Ute Pl)	\$ 12,000.00	High	21.50
0052	Intersection of E 4th St and S Cincinnati Ave	\$ 8,000.00	High	21.25
0053	Intersection of E 4th St and S Detroit Ave	\$ 15,000.00	High	21.25
0437	Intersection of E 91st St and S Mingo Rd	\$ 35,000.00	High	21.25
0066	Intersection of E 6th St and S Boston Ave	\$ 2,000.00	High	21.00
0603	Intersection of S Guthrie Ave and Heavy Traffic Wy	\$ 29,000.00	High	21.00
0604	Intersection of S Frisco Ave and W 3rd St	\$ 47,000.00	High	21.00
0029	Intersection of W 3rd St and S Denver Ave	\$ 14,000.00	High	20.75
0030	Intersection of S Cheyenne Ave and W 3rd St	\$ 6,000.00	High	20.75
Subtotal		\$ 754,000.00		
FY 2024-2025				
0097	Intersection of S Cheyenne Ave and W 8th St	\$ 35,000.00	High	20.50
0098	Intersection of W 8th St and S Denver Ave	\$ 16,000.00	High	20.50
0099	Intersection of S Boulder Ave and W 8th St	\$ 26,000.00	High	20.50
0450	Intersection of E Admiral Pl and S 193rd East Ave	\$ 37,000.00	High	20.50
333A	Intersection of N 25th West Ave and SH 64 WB Ramp / W Brady St	\$ 29,000.00	High	20.50
0049	Intersection of W 4th St and S Boulder Ave	\$ 6,000.00	High	20.25
0347	Intersection of W 36th St N and L.L. Tisdale Pkwy	\$ 67,000.00	High	20.25
0605	Intersection of S Houston Ave and W 3rd St	\$ 68,000.00	High	20.25
0136	Intersection of E Independence St and N Lewis Ave	\$ 23,000.00	High	20.00
0322	Intersection of E 21st St and S Memorial Dr	\$ 46,000.00	High	20.00
0327	Intersection of E 21st St and US 169 SB Ramp	\$ 52,000.00	High	20.00
0355	Intersection of E 41st St and S Utica Ave	\$ 43,000.00	High	20.00
0359	Intersection of E 41st St and S Sheridan Rd	\$ 37,000.00	High	20.00
0361	Intersection of E 41st St and US 169 SB Ramp	\$ 30,000.00	High	20.00
0415	Intersection of E 71st St and S 109th East Ave	\$ 26,000.00	High	20.00
0471	Intersection of S Harvard Ave and E 36th St	\$ 31,000.00	High	20.00
0481	Intersection of S Lewis Ave and E 36th St	\$ 31,000.00	High	20.00
0491	Intersection of E 46th St and S Memorial Dr	\$ 58,000.00	High	20.00
0497	Intersection of S Memorial Dr and E 27th St	\$ 32,000.00	High	20.00
0521	Intersection of S Sheridan Rd and E 46th St	\$ 54,000.00	High	20.00
Subtotal		\$ 747,000.00		
FY 2025-2026				
0600	Intersection of S Denver Ave W and W 13th St	\$ 11,000.00	High	20.00
0616	Intersection of S Denver Ave W and W 15th St	\$ 64,000.00	High	20.00
125a	Intersection of E 51st St and S Lewis Ave	\$ 18,000.00	High	20.00
0326	Intersection of S 101st East Ave and E 21st St	\$ 21,000.00	High	19.90
0501	Intersection of E 55th Pl and S Mingo Rd	\$ 22,000.00	High	19.90
0512	Intersection of Riverside Pkwy and E 96th St	\$ 23,000.00	High	19.80
0609	Intersection of S Denver Ave W and W 11th St	\$ 29,000.00	High	19.80
0038	Intersection of S Delaware Ave and E 3rd St	\$ 22,000.00	High	19.75
0045	Intersection of E 41st St and S Darlington Ave	\$ 28,000.00	High	19.75
0075	Intersection of E 71st St and S Trenton Ave	\$ 34,000.00	High	19.75
0082	Intersection of E 71st St and S Canton Ave (north)	\$ 29,000.00	High	19.75
0105	Intersection of E Admiral Blvd and S Utica Ave	\$ 24,000.00	High	19.75
0107	Intersection of E Admiral Pl and N Pittsburg Ave	\$ 21,000.00	High	19.75
0108	Intersection of E Admiral Pl and N Yale Ave	\$ 39,000.00	High	19.75
0129	Intersection of S Lewis Ave and E 17th St	\$ 35,000.00	High	19.75
0318	Intersection of E 21st St and SH 51 WB Ramp	\$ 47,000.00	High	19.75
0320	Intersection of Fairgrounds Gate 12 and E 21st St S	\$ 52,000.00	High	19.75
0324	Intersection of E 21st St and E I-44 WB Exit Ramp	\$ 55,000.00	High	19.75
0325	Intersection of E 21st St and E I-44 EB Exit Ramp	\$ 33,000.00	High	19.75
0356	Intersection of E 41st St South and S Hudson Ave	\$ 45,000.00	High	19.75
0357	Intersection of E 41st St and I-44 WB Ramp	\$ 42,000.00	High	19.75
0372	Intersection of E 51st St South and I-44 Ramp	\$ 39,000.00	High	19.75
0373	Intersection of E 51st St and S Darlington Ave	\$ 21,000.00	High	19.75
Subtotal		\$ 754,000.00		

Tulsa ADA Self-evaluation and Transition Plan Update
Signalized Intersection Cost Projection Summary
8/20/2012

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
FY 2026-2027				
0378	Intersection of S Mingo Rd and E 51st St	\$ 45,000.00	High	19.75
0382	Intersection of E 51st St and SH 51 EB Exit Ramp	\$ 23,000.00	High	19.75
0395	Intersection of S 76th East Ave and E 61st St	\$ 61,000.00	High	19.75
0413	Intersection of E 71st St and US 169 SB Ramp	\$ 37,000.00	High	19.75
0426	Intersection of S Mingo Rd and E 81st St	\$ 28,000.00	High	19.75
0429	Intersection of E 81st St and US 169 SB Ramp	\$ 51,000.00	High	19.75
0431	Intersection of Riverside Dr and E 91st St S	\$ 44,000.00	High	19.75
0448	Intersection of E Admiral Pl and Crossroads Fresh Connection Entrance	\$ 17,000.00	High	19.75
0449	Intersection of N 145th East Ave and E Admiral Pl	\$ 43,000.00	High	19.75
0474	Midblock Crossing at N Harvard Ave (south of E Seminole St)	\$ 35,000.00	High	19.75
0493	Intersection of S Memorial Dr and SH 51 WB Ramp	\$ 47,000.00	High	19.75
0505	Intersection of N Mingo Rd and E Pine St	\$ 22,000.00	High	19.75
0542	Intersection of S Yale Ave and E 43rd St	\$ 41,000.00	High	19.75
482a	Intersection of S Lewis Ave and E 56th Pl	\$ 37,000.00	High	19.75
0246	Intersection of E Archer St and N Cincinnati Ave	\$ 23,000.00	High	19.55
0024	Intersection of S Denver Ave and W 2nd St	\$ 15,000.00	High	19.50
0051	Intersection of E 4th St and S Boston Ave	\$ 4,000.00	High	19.50
0188	Intersection of E 66th St and S Yale Ave	\$ 25,000.00	High	19.50
0190	Intersection of S Yale Ave and E 51st St	\$ 30,000.00	High	19.50
0249	Intersection of W Archer St and N Denver Ave	\$ 23,000.00	High	19.50
0250	Intersection of W 7th St and S Houston Ave	\$ 40,000.00	High	19.50
0439	Intersection of E 91st St and US 169 SB Ramp	\$ 27,000.00	High	19.50
0440	Intersection of E 91st St and US 169 NB Ramp	\$ 31,000.00	High	19.50
		Subtotal	\$ 749,000.00	
FY 2027-2028				
0438	Intersection of E 91st St and S 101st East Ave	\$ 47,000.00	High	19.50
0441	Intersection of E 91st St and St. Francis Hospital East Entrance	\$ 37,000.00	High	19.50
0158	Intersection of S Peoria Ave and E 15th St	\$ 25,000.00	High	19.25
0168	Intersection of E Pine St and N Lansing Ave	\$ 20,000.00	High	19.25
0430	Intersection of E 81st St and US 169 NB Ramp	\$ 43,000.00	High	19.25
0519	Intersection of S Sheridan Rd and E 101st St	\$ 31,000.00	High	19.25
0612	Intersection of S Cincinnati Ave and E 13th St	\$ 68,000.00	High	19.25
370A	Intersection of W 51st St and S Union Ave	\$ 35,000.00	High	19.25
386A	Intersection of S 33rd West Ave and W 61st St	\$ 48,000.00	High	19.25
0054	Intersection of E 4th St and S Elgin Ave	\$ 31,000.00	High	19.00
0059	Intersection of E 5th St and S Cincinnati Ave	\$ 21,000.00	High	19.00
0083	Intersection of E 71st St and S Irvington Ave	\$ 22,000.00	High	19.00
0112	Intersection of S 129th East Ave and E Admiral Pl	\$ 22,000.00	High	19.00
0332	Intersection of E 21st St and S 145th East Ave	\$ 52,000.00	High	19.00
0019	Intersection of S Boulder Ave and E 10th St	\$ 18,000.00	High	18.75
0067	Intersection of S Cincinnati Ave and E 6th St	\$ 30,000.00	High	18.75
0102	Intersection of E 8th St and S Cincinnati Ave	\$ 21,000.00	High	18.75
0012	Intersection of W 1st St and S Denver Ave	\$ 16,000.00	High	18.50
0100	Intersection of S Main St and W 8th St	\$ 18,000.00	High	18.25
0101	Intersection of E 8th St and S Boston Ave	\$ 9,000.00	High	18.25
0145	Intersection of N Memorial Dr and E Pine St	\$ 6,000.00	High	18.00
0458	Intersection of E Charles Page Blvd and S 49th West Ave	\$ 61,000.00	High	18.00
0606	Intersection of W 6th St and W 7th St	\$ 54,000.00	High	18.00
0050	Intersection of W 4th St and S Main St	\$ 12,000.00	High	17.75
		Subtotal	\$ 747,000.00	
FY 2028-2029				
0064	Intersection of S Boulder Ave and W 6th St	\$ 22,000.00	High	17.75
0245	Intersection of E Archer St and N Detroit Ave	\$ 28,000.00	High	17.75
0027	Intersection of S Urbana Ave and E 31st St	\$ 23,000.00	High	17.50
0028	Intersection of N 31st St and SH 51WB Exit Ramp	\$ 23,000.00	High	17.50
0069	Intersection of S Utica Ave and E 6th St	\$ 22,000.00	High	17.50
0079	Intersection of E 71st St and S Harvard Ave	\$ 33,000.00	High	17.50
0080	Intersection of E 71st St and S Pittsburg Ave	\$ 22,000.00	High	17.50
0125	Intersection of E Skelly Dr (WB) and S Lewis Ave	\$ 21,000.00	High	17.50
0198	Intersection of N Yale Ave and E Pine St	\$ 24,000.00	High	17.50
0328	Intersection of E 21st St and US 169 NB Ramp	\$ 29,000.00	High	17.50
0334	Intersection of S Utica Ave and E 31st St	\$ 42,000.00	High	17.50
0335	Intersection of E 31st St and S Lewis Ave	\$ 56,000.00	High	17.50
0337	Intersection of E 31st St and I-44 WB Entrance Ramp	\$ 53,000.00	High	17.50
0338	Intersection of E 31st St and I-44 EB Exit Ramp	\$ 60,000.00	High	17.50
0358	Intersection of E 41st St and I-44 EB Ramp	\$ 31,000.00	High	17.50
0371	Intersection of S Harvard Ave and E 51st St South	\$ 63,000.00	High	17.50
0379	Intersection of E 51st St and US 169 SB Ramp	\$ 31,000.00	High	17.50

Tulsa ADA Self-evaluation and Transition Plan Update
Signalized Intersection Cost Projection Summary
8/20/2012

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
0380	Intersection of E 51st St and US 169 NB Ramp	\$ 39,000.00	High	17.50
0389	Intersection of E 61st St and S Harvard Ave	\$ 62,000.00	High	17.50
0414	Intersection of E 71st St and US 169 NB Ramp	\$ 35,000.00	High	17.50
0424	Intersection of S Sheridan Rd and E 81st St	\$ 34,000.00	High	17.50
Subtotal		\$ 753,000.00		
FY 2029-2030				
0432	Intersection of E 91st St and S Delaware Ave E	\$ 43,000.00	High	17.50
0451	Intersection of E Apache St and N Cincinnati Ave	\$ 65,000.00	High	17.50
0459	Intersection of Charles Page Blvd and Gilcrease Museum Rd	\$ 48,000.00	High	17.50
0470	Intersection of S Harvard Ave and I-44 WB Ramp	\$ 56,000.00	High	17.50
0482	Intersection of S Lewis Ave and E 69th St	\$ 48,000.00	High	17.50
0486	Intersection of S Memorial Dr and Target Shopping Center Entrance	\$ 44,000.00	High	17.50
0487	Intersection of S Memorial Dr and E 98th St	\$ 23,000.00	High	17.50
0488	Intersection of S Memorial Dr and Creek Turnpike EB Ramp	\$ 58,000.00	High	17.50
0489	Intersection of S Memorial Dr and Creek Turnpike WB Ramp	\$ 37,000.00	High	17.50
0492	Intersection of S Memorial Dr and SH 51 EB Ramp	\$ 37,000.00	High	17.50
0496	Intersection of S Memorial Dr and I-44 WB Exit Ramp	\$ 21,000.00	High	17.50
0499	Intersection of S Mingo Rd and E 101st St	\$ 54,000.00	High	17.50
0504	Intersection of N Mingo Rd and I-244 EB Exit Ramp	\$ 41,000.00	High	17.50
0515	Intersection of Riverside Dr and I-44 EB Ramp	\$ 32,000.00	High	17.50
0516	Intersection of Riverside Dr and I-44 WB Ramp	\$ 61,000.00	High	17.50
0503	Intersection of S Mingo Rd and SH 51 EB Exit Ramp	\$ 22,000.00	High	17.50
0520	Intersection of E 57th St and S Sheridan Rd	\$ 66,000.00	High	17.50
Subtotal		\$ 756,000.00		
FY 2030-2031				
0518	Intersection of Riverside Dr and S Denver Ave W	\$ 13,000.00	High	17.50
0517	Intersection of Riverside Dr and E 31st St	\$ 39,000.00	High	17.50
0537	Intersection of S Yale Ave and Creek Turnpike EB Ramp	\$ 58,000.00	High	17.50
0538	Intersection of S Yale Ave and Creek Turnpike WB Ramp	\$ 55,000.00	High	17.50
0613	Intersection of S Detroit Ave and E 13th St	\$ 54,000.00	High	17.50
333B	Intersection of N 25th West Ave and SH 64 EB Ramp	\$ 30,000.00	High	17.50
0002	Intersection of E 51st St and S 129th East Ave	\$ 21,000.00	High	17.25
0003	Intersection of S 129th East Ave and Statefarm Blvd	\$ 16,000.00	High	17.25
0187	Intersection of S Yale Ave and E 68th St (west)	\$ 26,000.00	High	17.25
0192	Intersection of S Yale Ave and E 21st St	\$ 29,000.00	High	17.25
0369	Intersection of E 46th St N and N Mingo Rd	\$ 51,000.00	High	17.25
0383	Intersection of E 51st St and S 161st Ave E	\$ 35,000.00	High	17.25
0387	Intersection of Riverside Dr and E 61st St S	\$ 18,000.00	High	17.25
0397	Intersection of E 61st St and S Mingo Rd	\$ 40,000.00	High	17.25
0398	Intersection of E 61st St and US 169 SB Ramp	\$ 44,000.00	High	17.25
0406	Intersection of W 71st St and S Olympia Ave	\$ 44,000.00	High	17.25
0461	Intersection of W Edison St and N Denver Ave	\$ 54,000.00	High	17.25
0602	Midblock Crossing at E 2nd St (west of S Cincinnati Ave)	\$ 63,000.00	High	17.25
0608	Intersection of S Elgin Ave and E 10th St	\$ 63,000.00	High	17.25
Subtotal		\$ 753,000.00		
FY 2031-2032				
0001	Intersection of S 129th East Ave and E 61st St S	\$ 12,000.00	High	17.25
402A	Intersection of E 61st St South and N Willow Ave	\$ 27,000.00	High	17.25
0057	Intersection of W 5th St and S Boulder Ave	\$ 22,000.00	High	16.75
0400	Intersection of S 107th East Ave and E 61st St	\$ 22,000.00	High	16.75
0403	Intersection of S Union Ave and W 71st St	\$ 33,000.00	High	16.75
0404	Intersection of W 71st St and US 75 SB Ramp	\$ 37,000.00	High	16.75
0417	Intersection of W 81st St and S Olympia Ave	\$ 38,000.00	High	16.75
0457	Intersection of N Sheridan Rd and E Apache St	\$ 48,000.00	High	16.75
0607	Intersection of S Cheyenne Ave and W 11th St	\$ 70,000.00	High	16.75
382A	Intersection of S 145th East Ave and E 51st St South	\$ 72,000.00	High	16.75
0093	Intersection of E 7th St and S Boston Ave	\$ 13,000.00	High	16.50
0254	Intersection of S Main St and E 9th St	\$ 26,000.00	High	16.50
0060	Intersection of S Detroit Ave and E 5th St	\$ 20,000.00	High	16.00
0061	Intersection of E 5th St and S Elgin Ave	\$ 35,000.00	High	16.00
0036	Intersection of E 3rd St and S Elgin Ave	\$ 16,000.00	High	15.00
0078	Intersection of S Evanston Ave and E 71st St	\$ 30,000.00	High	15.00
0160	Intersection of E 3rd St and S Peoria Ave	\$ 33,000.00	High	15.00
0162	Intersection of E Archer St and N Peoria Ave	\$ 23,000.00	High	15.00
0186	Intersection of N Utica Ave and E Pine St	\$ 23,000.00	High	15.00
0365	Intersection of S 145th East Ave and E 41st St	\$ 30,000.00	High	15.00
0381	Intersection of S Garnett Rd and E 51st St	\$ 65,000.00	High	15.00
0386	Intersection of W 61st St and S Union Ave	\$ 31,000.00	High	15.00
0401	Intersection of S Garnett Rd and E 61st St	\$ 17,000.00	High	15.00

Tulsa ADA Self-evaluation and Transition Plan Update
 Signalized Intersection Cost Projection Summary
 8/20/2012

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
Subtotal		\$ 743,000.00		
FY 2032-2033				
0405	Intersection of W 71st St and US 75 NB Ramp	\$ 16,000.00	High	15.00
0407	Intersection of S Elwood Ave and W 71st St	\$ 72,000.00	High	15.00
0475	Intersection of N Harvard Ave and E 36th St N	\$ 32,000.00	High	15.00
0510	Intersection of Riverside Pkwy and Creek Turnpike EB Ramp	\$ 78,000.00	High	15.00
0511	Intersection of Riverside Pkwy and Creek Turnpike WB Ramp	\$ 14,000.00	High	15.00
0523	Intersection of S Sheridan Rd and SH 51 EB Ramp	\$ 39,000.00	High	15.00
0530	Midblock Crossing at Southwest Blvd (south of W 25th St)	\$ 19,000.00	High	15.00
0532	Intersection of Southwest Blvd and I-244 EB Ramp	\$ 31,000.00	High	15.00
0009	Intersection of S Detroit Ave and E 10th St	\$ 20,000.00	High	14.75
0016	Intersection of E 1st St and S Elgin Ave	\$ 36,000.00	High	14.75
0017	Intersection of S Utica Ave and E 1st St	\$ 17,000.00	High	14.75
0170	Intersection of S Cincinnati Ave and E 10th St	\$ 22,000.00	High	14.75
0247	Intersection of W Archer St and N Main St	\$ 25,000.00	High	14.75
0251	Intersection of E 9th St and S Detroit Ave	\$ 22,000.00	High	14.75
0253	Intersection of S Boston Ave and E 9th St	\$ 28,000.00	High	14.75
0248	Intersection of W Archer St and N Boulder Ave	\$ 21,000.00	High	12.50
0252	Intersection of S Cincinnati Ave and E 9th St	\$ 22,000.00	High	12.50
0161	Intersection of S Peoria Ave and E Admiral Blvd	\$ 37,000.00	High	10.00
0340	Intersection of E 31st St and S 90th East Ave	\$ 18,000.00	High	4.75
0343	Intersection of E 31st St and US 169 NB Ramp	\$ 67,000.00	High	2.50
0412	Intersection of E 71st St and S 101st East Ave	\$ 30,000.00	Medium	22.25
0543	Intersection of S Yale Ave and E Southroad Dr	\$ 2,000.00	Medium	19.75
333C	Katy Jogging Trail Crossing at N 25th West Ave (south of SH 64)	\$ 10,000.00	Medium	17.50
0146	Intersection of E 41st St and S Mingo Rd	\$ 24,000.00	Medium	17.25
0399	Intersection of E 61st St and US 169 NB Ramp	\$ 34,000.00	Medium	16.75
0154	Intersection of S Peoria Ave and E 33rd Pl	\$ 18,000.00	Medium	15.00
Subtotal		\$ 754,000.00		
TOTAL		\$ 14,996,000.00		

Appendix E

Implementation Schedules

Appendix E3: Arterial Sidewalk Corridors and Unsignalized Intersections

Tulsa ADA Self-evaluation and Transition Plan Update
Sidewalk Cost Projection Summary
2/12/2013

Project Name	Cost Projection	Pedestrian Attractor Score
FY 2013-2014		
Yale Avenue (G) (41st to 31st) - ADA Complaint	\$ 957,000	37.00
11th Street South (D) (Yale to Sheridan) - ADA Complaint	\$ 532,000	35.00
Subtotal	\$ 1,489,000	
FY 2014-2015		
Admiral Place (D) (Yale to Sheridan) - ADA Complaint	\$ 644,000	34.50
36th Street North (B) (Cincinnati to Peoria) - ADA Complaint	\$ 357,000	30.50
Peoria Avenue (K) (36th to 46th) - ADA Complaint	\$ 620,000	31.00
Subtotal	\$ 1,621,000	
FY 2015-2016		
Lewis Avenue (F) (21st to 41st) - ADA Complaint	\$ 1,354,000	30.50
Subtotal	\$ 1,354,000	
FY 2016-2017		
31st Street South (A) (Peoria to Harvard) - ADA Complaint	\$ 1,353,000	29.50
Subtotal	\$ 1,353,000	
FY 2017-2018		
Peoria Avenue (L) (46th to 56th) - ADA Complaint	\$ 618,000	28.00
Lewis Avenue (B) (81st to 71st)	\$ 203,599	42.00
21st Street South (J) (Memorial to Skelly)	\$ 172,657	41.50
Utica Avenue (C) (11th to 2nd)	\$ 206,012	41.50
31st Street South (G) (Garnett to 129th)	\$ 160,960	39.50
Sheridan Road (F) (51st to 41st)	\$ 97,955	38.50
Subtotal	\$ 1,459,182	
FY 2018-2019		
11th Street South (A) (Peoria to Lewis)	\$ 360,014	41.00
Memorial Drive (F) (51st to 41st)	\$ 2,421	40.00
Harvard Avenue (H) (21st to 11th)	\$ 310,718	40.00
81st Street South (A) (Riverside to Lewis)	\$ 25,028	38.00
Pine Street (G) (Sheridan to Memorial)	\$ 55,628	37.50
15th Street South (C) (Harvard to Yale)	\$ 164,834	37.50
15th Street (F) (Peoria to Denver)	\$ 220,203	37.50
21st Street South (D) (Peoria to Utica)	\$ 127,507	37.50
21st Street South (E) (Utica to Lewis)	\$ 67,049	37.50
91st Street South (C) (Harvard to Yale)	\$ 35,245	37.50
Cincinnati Avenue (A) (Haskell to Pine)	\$ 67,999	37.00
Garnett Road (F) (11th to I-244)	\$ 17,930	37.00
Subtotal	\$ 1,454,576	
FY 2019-2020		
51st Street South (D) (Yale to Sheridan)	\$ 202,829	37.50
Admiral Place (A) (Peoria to Lewis)	\$ 256,720	37.50
Delaware Avenue (A) (91st to 81st)	\$ 9,251	37.50
11th Street South (F) (Memorial to Mingo)	\$ 206,566	37.00
46th Street North (B) (Cincinnati to Peoria)	\$ 70,300	37.00
Garnett Road (D) (31st to 21st)	\$ 399,043	37.00
Lewis Avenue (D) (61st to 51st)	\$ 77,580	37.00
41st Street South (E) (Lewis to Harvard)	\$ 137,122	36.50
Memorial Drive (C) (81st to 71st)	\$ 55,895	37.00

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Sidewalk Cost Projection Summary
2/12/2013

Project Name	Cost Projection	Pedestrian Attractor Score
61st Street South (D) (Harvard to Yale)	\$ 32,939	36.50
Subtotal	\$ 1,448,246	
FY 2020-2021		
Sheridan Road (K) (Admiral to Pine)	\$ 196,319	37.00
41st Street South (F) (Harvard to Yale)	\$ 125,163	36.50
Peoria Avenue (I) (Pine to Apache)	\$ 16,827	36.50
7th Street (Kenosha to Lawton)	\$ 450,216	36.00
11th Street South (B) (Lewis to Harvard)	\$ 254,279	36.00
Lewis Avenue (A) (91st to 81st)	\$ 2,182	36.00
Sheridan Road (L) (Pine to Apache)	\$ 184,711	35.50
61st Street South (E) (Yale to Sheridan)	\$ 142,115	35.50
Memorial Drive (B) (91st to 81st)	\$ 10,334	35.50
11th Street South (E) (Sheridan to Memorial)	\$ 53,351	35.00
Subtotal	\$ 1,435,496	
FY 2021-2022		
Peoria Avenue (C) (51st to 41st)	\$ 542,680	35.50
21st Street South (C) (Main to Peoria)	\$ 243,987	35.50
51st Street South (C) (Harvard to Yale)	\$ 223,143	35.50
Yale Avenue (D) (61st to 51st)	\$ 145,056	35.50
15th Street South (D) (Yale to Sheridan)	\$ 124,763	35.00
33rd West Avenue (B) (51st to 41st)	\$ 52,826	35.00
41st Street South (I) (Memorial to Mingo)	\$ 97,699	35.00
Subtotal	\$ 1,430,155	
FY 2022-2023		
41st Street South (G) (Yale to Sheridan)	\$ 41,686	35.00
Edison Street (D) (Union to Denver)	\$ 276,495	35.00
Charles Page Boulevard (B) (49th to Railroad Tracks)	\$ 429,462	35.00
Utica Avenue (A) (21st to 15th)	\$ 74,072	35.00
Yale Avenue (C) (71st to 61st)	\$ 134,963	35.00
3rd Street (Lansing to Heavy Traffic)	\$ 251,967	34.50
129th East Avenue (C) (31st to 21st)	\$ 188,217	34.50
41st Street South (B) (Southwest to Hwy 75)	\$ 60,298	34.50
Subtotal	\$ 1,457,160	
FY 2023-2024		
11th Street South (C) (Harvard to Yale)	\$ 385,423	34.50
15th Street South (A) (Peoria to Lewis)	\$ 279,776	34.50
21st Street South (I) (Sheridan to Memorial)	\$ 185,930	34.50
21st Street South (L) (Garnett to 129th)	\$ 170,389	34.50
31st Street South (E) (Memorial to Mingo)	\$ 230,442	34.50
71st Street South (F) (Sheridan to Memorial)	\$ 94,320	34.50
81st Street South (F) (Mingo to Garnett)	\$ 89,680	34.50
Subtotal	\$ 1,435,960	
FY 2024-2025		
21st Street South (B) (Southwest to Main)	\$ 162,893	34.50
Lewis Avenue (H) (21st to 11th)	\$ 224,339	34.50
Cincinnati Avenue (B) (Pine to Apache)	\$ 276,030	34.50
Harvard Avenue (D) (61st to 51st)	\$ 82,114	34.50
Harvard Avenue (G) (31st to 21st)	\$ 241,022	34.50

Tulsa ADA Self-evaluation and Transition Plan Update
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Project Name	Cost Projection	Pedestrian Attractor Score
Lewis Avenue (K) (Pine to Apache)	\$ 304,664	34.50
Peoria Avenue (B) (61st to 51st)	\$ 97,447	34.50
Utica Avenue (B) (15th to 11th)	\$ 100,744	34.50
Subtotal	\$ 1,489,253	
FY 2025-2026		
Cincinnati Avenue (D) (46th to 56th)	\$ 102,399	34.50
Peoria Avenue (E) (31st to 21st)	\$ 242,329	34.50
Peoria Avenue (F) (21st to 11th)	\$ 446,548	34.50
Pine Street (A) (Union to Cincinnati)	\$ 191,371	34.50
Pine Street (D) (Lewis to Harvard)	\$ 191,440	34.50
Sheridan Road (D) (71st to 61st)	\$ 284,670	34.50
Subtotal	\$ 1,458,757	
FY 2026-2027		
Pine Street (B) (Cincinnati to Peoria)	\$ 224,080	34.50
Yale Avenue (I) (21st to 11th)	\$ 202,350	34.50
5th Street (Frankfort to Denver)	\$ 293,946	34.00
11th Street South (G) (Mingo to Garnett)	\$ 160,657	34.00
15th Street South (E) (Sheridan to Memorial)	\$ 110,261	34.00
41st Street South (H) (Sheridan to Memorial)	\$ 8,467	34.00
41st Street South (J) (Mingo to Garnett)	\$ 53,025	34.00
Cheyenne Avenue (Hwy 64 to Fairview)	\$ 393,792	34.00
Subtotal	\$ 1,446,576	
FY 2027-2028		
Yale Avenue (B) (81st to 71st)	\$ 297,932	34.00
Cincinnati Avenue (F) (13th to I-244)	\$ 332,127	34.00
Garnett Road (B) (51st to 41st)	\$ 149,666	34.00
Harvard Avenue (J) (Admiral to Pine)	\$ 361,202	34.00
Lewis Avenue (C) (71st to 61st)	\$ 314,141	34.00
Subtotal	\$ 1,455,069	
FY 2028-2029		
71st Street South (B) (Riverside to Lewis)	\$ 149,324	34.00
Charles Page Boulevard (A) (65th to 49th)	\$ 145,167	33.50
Harvard Avenue (I) (11th to Admiral)	\$ 125,908	33.50
Memorial Drive (D) (71st to 61st)	\$ 73,789	33.50
4th Street (3rd to Lansing)	\$ 347,841	33.00
25th West Avenue (Newblock Park Trail to Independence)	\$ 21,151	33.00
21st Street South (F) (Lewis to Harvard)	\$ 268,689	33.00
21st Street South (G) (Harvard to Yale)	\$ 219,687	33.00
41st Street South (K) (Garnett to 129th)	\$ 3,774	33.00
61st Street South (F) (Sheridan to Memorial)	\$ 98,353	33.00
Subtotal	\$ 1,453,684	
FY 2029-2030		
71st Street South (E) (Yale to Sheridan)	\$ 54,044	33.00
2nd Street (B) (Lansing to Denver)	\$ 155,623	33.00
81st Street South (B) (Lewis to Harvard)	\$ 57,976	33.00
81st Street South (E) (Memorial to Mingo)	\$ 32,045	33.00
91st Street South (D) (Yale to Sheridan)	\$ 12,429	33.00
Harvard Avenue (E) (51st to 41st)	\$ 90,627	33.00

Tulsa ADA Self-evaluation and Transition Plan Update
Sidewalk Cost Projection Summary
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Project Name	Cost Projection	Pedestrian Attractor Score
Lewis Avenue (J) (Admiral to Pine)	\$ 527,635	33.00
Main Street (A) (Hwy 64 to 4th)	\$ 201,120	33.00
Memorial Drive (G) (41st to 31st)	\$ 18,428	33.00
Pine Street (C) (Peoria to Lewis)	\$ 217,679	33.00
Pine Street (F) (Yale to Sheridan)	\$ 42,744	33.00
Union Avenue (B) (51st to 41st)	\$ 57,960	33.00
Subtotal	\$ 1,468,310	
FY 2030-2031		
21st Street South (K) (Skelly to Garnett)	\$ 171,045	33.00
Yale Avenue (F) (51st to 41th)	\$ 373,053	33.00
31st Street South (B) (Harvard to Yale)	\$ 63,819	32.50
31st Street South (F) (Mingo to Garnett)	\$ 159,184	32.50
51st Street South (B) (Lewis to Harvard)	\$ 119,895	32.50
71st Street South (D) (Harvard to Yale)	\$ 126,660	32.50
71st Street South (G) (Memorial to Mingo)	\$ 212,730	32.50
Admiral Place (F) (Mingo to Garnett)	\$ 3,748	32.50
Admiral Place (G) (Garnett to 129th)	\$ 65,457	32.50
Houston Avenue (11th to Heavy Traffic)	\$ 104,734	32.50
Riverside Drive (F) (21st to Denver)	\$ 10,189	32.50
Sheridan Road (A) (101st to 91st)	\$ 23,709	32.50
91st Street South (B) (Delaware to Harvard)	\$ 33,302	32.00
Subtotal	\$ 1,467,525	
FY 2031-2032		
Denver Avenue (Fairview to Riverside)	\$ 452,788	32.50
1st Street (Guthrie to Frisco)	\$ 206,412	32.00
15th Street South (B) (Lewis to Harvard)	\$ 381,366	32.00
31st Street South (D) (Sheridan to Memorial)	\$ 83,748	32.00
61st Street South (G) (Memorial to Mingo)	\$ 281,502	32.00
Sheridan Road (H) (31st to 21st)	\$ 34,591	32.00
81st Street South (G) (Sheridan to Memorial)	\$ 9,541	32.00
91st Street South (E) (Sheridan to Memorial)	\$ 3,378	32.00
Subtotal	\$ 1,453,326	
FY 2032-2033		
51st Street South (F) (Memorial to Mingo)	\$ 158,275	32.00
71st Street South (C) (Lewis to Harvard)	\$ 96,708	32.00
Admiral Place (B) (Lewis to Harvard)	\$ 332,288	32.00
Admiral Place (C) (Harvard to Yale)	\$ 387,478	32.00
Apache Street (C) (Peoria to Lewis)	\$ 224,417	32.00
Sheridan Road (E) (61st to 51st)	\$ 243,556	32.00
Memorial Drive (E) (61st to 51st)	\$ 3,708	32.00
Subtotal	\$ 1,446,429	
FY 2033-2034		
Garnett Road (C) (41st to 31st)	\$ 398,830	32.00
Lewis Avenue (E) (51st to 41st)	\$ 412,905	32.00
Lewis Avenue (I) (11th to Admiral)	\$ 524,526	32.00
Mingo Road (A) (101st to 91st)	\$ 129,329	32.00
Subtotal	\$ 1,465,590	

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Project Name	Cost Projection	Pedestrian Attractor Score
FY 2034-2035		
Sheridan Road (J) (11th to Admiral)	\$ 139,043	32.00
Yale Avenue (K) (Admiral to Pine)	\$ 331,070	32.00
6th Street (7th to Kenosha)	\$ 305,042	31.50
31st Street South (C) (Yale to Sheridan)	\$ 31,251	31.50
Detroit Avenue (I-244 to 13th)	\$ 454,920	31.50
Garnett Road (A) (61st to 51st)	\$ 102,742	31.50
31st Street South (H) (129th to 140th)	\$ 21,200	30.50
61st Street South (A) (33rd to Santa Fe)	\$ 70,204	30.50
Subtotal	\$ 1,455,471	
FY 2035-2036		
129th East Avenue (A) (51st to 41st)	\$ 105,279	31.00
51st Street South (E) (Sheridan to Memorial)	\$ 139,807	31.00
Apache Street (B) (Cincinnati to Peoria)	\$ 138,964	31.00
Charles Page Boulevard (E) (25th to Rosedale)	\$ 5,845	31.00
Lewis Avenue (L) (Apache to 36th)	\$ 157,060	31.00
11th Street South (H) (Garnett to 129th)	\$ 235,329	30.50
41st Street South (D) (Peoria to Lewis)	\$ 37,270	30.50
71st Street South (A) (Union to Jackson)	\$ 79,643	30.50
81st Street South (D) (Yale to Sheridan)	\$ 31,908	30.50
Edison Street (A) (49th to 33rd)	\$ 9,273	30.50
Edison Street (B) (33rd to 25th)	\$ 167,630	30.50
Edison Street (C) (25th to Union)	\$ 60,423	30.50
Garnett Road (E) (21st to 11th)	\$ 103,097	30.50
Harvard Avenue (A) (91st to 81st)	\$ 31,923	30.50
Harvard Avenue (K) (Pine to Apache)	\$ 171,169	30.50
Subtotal	\$ 1,474,620	
FY 2036-2037		
Harvard Avenue (F) (41st to 31st)	\$ 313,382	30.50
Memorial Drive (H) (31st to 21st)	\$ 15,776	30.50
Mingo Road (G) (41st to 31st)	\$ 49,196	30.50
Mingo Road (H) (31st to 21st)	\$ 300,811	30.50
Mingo Road (I) (north of I-244 to south of I-244)	\$ 75,868	30.50
Peoria Avenue (A) (Riverside to 61st)	\$ 113,933	30.50
Peoria Avenue (G) (11th to 4th)	\$ 226,835	30.50
Pine Street (E) (Harvard to Yale)	\$ 42,827	30.50
Riverside Drive (D) (41st to 31st)	\$ 4,362	30.50
Southwest Boulevard (A) (33rd to 41st)	\$ 140,075	30.50
Southwest Boulevard (D) (31st to 23rd)	\$ 21,263	30.50
Yale Avenue (A) (101st to 91st)	\$ 151,537	30.50
Subtotal	\$ 1,455,865	
FY 2037-2038		
Peoria Avenue (D) (41st to 31st)	\$ 364,889	30.50
Yale Avenue (M) (91st to 81st)	\$ 54,964	30.50
Utica Avenue (D) (Admiral to Pine)	\$ 355,296	30.50
129th East Avenue (B) (41st to 31st)	\$ 180,215	30.00
61st Street South (C) (Lewis to Harvard)	\$ 17,620	30.00
Apache Street (D) (Lewis to Harvard)	\$ 61,498	30.00

Tulsa ADA Self-evaluation and Transition Plan Update
Sidewalk Cost Projection Summary
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Project Name	Cost Projection	Pedestrian Attractor Score
Elgin Avenue (10th to John Hope Franklin)	\$ 195,826	30.00
Yale Avenue (H) (31st to 21st)	\$ 36,700	29.50
129th East Avenue (D) (21st to 11th)	\$ 104,094	29.50
Southwest Boulevard (E) (23rd to Railroad Tracks)	\$ 74,012	29.50
21st Street South (H) (Yale to Sheridan)	\$ 10,831	29.50
Subtotal	\$ 1,455,945	
FY 2038-2039		
Charles Page Boulevard (D) (Rosedale to Nogales)	\$ 8,816	29.50
Sheridan Road (B) (91st to 81st)	\$ 7,170	29.50
Sheridan Road (C) (81st to 71st)	\$ 288,886	29.50
9th Street (Denver to Elgin)	\$ 162,552	29.00
51st Street South (H) (Garnett to 129th)	\$ 69,751	29.00
Apache Street (E) (Harvard to Yale)	\$ 26,790	29.00
Harvard Avenue (L) (Apache to 36th)	\$ 95,040	29.00
Sheridan Road (G) (41st to 31st)	\$ 67,507	29.00
Yale Avenue (N) (Pine to Apache)	\$ 31,632	29.00
71st Street South (H) (Mingo to Garnett)	\$ 247,839	28.50
Boulder Avenue (A) (1st to Hwy 64)	\$ 186,608	28.50
21st Street South (M) (129th to 145th)	\$ 69,267	28.00
Brady Avenue (Denver to Elgin)	\$ 168,701	28.50
Memorial Drive (K) (Admiral to Pine)	\$ 27,349	28.00
Subtotal	\$ 1,457,909	
FY 2039-2040		
Peoria Avenue (J) (Apache to 36th) - ADA Complaint	\$ 88,042	29.00
Boston Avenue (A) (5th to Hwy 64)	\$ 178,278	28.50
Mingo Road (F) (51st to 41st)	\$ 168,725	28.50
13th Street (Boston to Peoria)	\$ 138,717	28.00
Harvard Avenue (B) (81st to 71st)	\$ 36,392	28.00
Harvard Avenue (C) (71st to 61st)	\$ 1,792	28.00
Memorial Drive (A) (101st to 91st)	\$ 62,979	28.00
Memorial Drive (I) (21st to 11th)	\$ 4,965	28.00
Mingo Road (D) (71st to 61st)	\$ 375,465	28.00
Yale Avenue (J) (11th to Admiral)	\$ 301,256	28.00
49th West Avenue (Easton to Charles Page)	\$ 29,663	28.00
129th East Avenue (F) (Admiral to Brady)	\$ 15,749	28.00
21st Street South (A) (Union to Southwest)	\$ 20,899	28.00
41st Street South (L) (129th to 135th)	\$ 1,709	28.00
46th Street North (A) (Elwood to Cincinnati)	\$ 2,270	28.00
91st Street South (A) (Riverside to Delaware)	\$ 28,563	28.00
Subtotal	\$ 1,455,464	
FY 2040-2041		
81st Street South (C) (Harvard to Yale)	\$ 26,855	28.00
Apache Street (F) (Yale to Sheridan)	\$ 73,034	28.00
Cincinnati Avenue (C) (Apache to 36th)	\$ 44,499	28.00
33rd West Avenue (A) (61st to 51st)	\$ 134,549	28.00
Yale Avenue (L) (Apache to 36th)	\$ 47,560	28.00
8th Street (7th to Kenosha)	\$ 194,552	27.00
11th Street (J) (Peoria to Elgin)	\$ 68,569	26.50

**Tulsa ADA Self-evaluation and Transition Plan Update
Sidewalk Cost Projection Summary
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Project Name	Cost Projection	Pedestrian Attractor Score
36th Street North (A) (City Boundary to Cincinnati)	\$ 16,071	26.50
61st Street South (H) (Mingo to Garnett)	\$ 173,953	26.50
Archer Street (Lawton to I-244)	\$ 429,370	26.50
Lewis Avenue (M) (36th to 46th)	\$ 31,820	26.50
Mingo Road (B) (91st to 81st)	\$ 10,506	26.50
Mingo Road (C) (81st to 71st)	\$ 27,060	26.50
Peoria Avenue (M) (4th to Admiral)	\$ 169,120	26.50
Southwest Boulevard (C) (Union to 31st)	\$ 9,332	26.50
Subtotal	\$ 1,456,848	
FY 2041-2042		
91st Street South (G) (Mingo to Garnett)	\$ 97,297	26.50
10th Street (Elgin to Boulder)	\$ 115,616	26.50
11th Street (L) (Boulder to Elgin)	\$ 134,910	26.50
Peoria Avenue (H) (Admiral to Pine)	\$ 154,524	26.50
Riverside Drive (E) (31st to 21st)	\$ 41,470	26.50
Sheridan Road (I) (21st to 11th)	\$ 98,891	26.50
Southwest Boulevard (B) (41st to Union)	\$ 153,453	26.50
Union Avenue (A) (71st to 61st)	\$ 7,539	26.50
51st Street South (I) (129th to 1200' east of 129th)	\$ 72,440	26.00
Admiral Place (H) (129th to 145th)	\$ 59,599	26.00
Charles Page Boulevard (C) (Railroad Tracks to 25th)	\$ 206,081	26.00
129th East Avenue (E) (11th to Admiral)	\$ 156,728	25.50
Greenwood Avenue (I-244 to 3rd)	\$ 85,892	25.50
Cameron Street (Denver to Detroit)	\$ 70,147	25.50
Memorial Drive (L) (101st to 400' south of 101st)	\$ 8,212	25.50
2nd Street (A) (Frisco to Heavy Traffic)	\$ 9,287	25.00
Subtotal	\$ 1,472,087	
FY 2042-2043		
Main Street (C) (1st to Fairview)	\$ 97,296	26.00
Frisco Avenue (1st to 3rd)	\$ 4,438	24.50
11th Street (K) (Main to Elgin)	\$ 107,160	24.00
51st Street South (G) (Mingo to Garnett)	\$ 123,937	24.00
Apache Street (A) (22' west of Osage to Cincinnati)	\$ 73,854	24.00
Boulder Avenue (B) (Fairview to Archer)	\$ 106,105	24.00
Delaware Avenue (B) (Riverside to 91st)	\$ 61,004	24.00
Lewis Avenue (N) (46th to 56th)	\$ 42,057	24.00
Mingo Road (E) (61st to 51st)	\$ 362,063	24.00
Utica Avenue (E) (2nd to Admiral)	\$ 33,409	24.00
Elwood Avenue (6th to 7th)	\$ 15,694	23.00
Frisco Avenue (A) (6th to 7th)	\$ 10,955	23.00
Kennosha Avenue (1st to 7th)	\$ 180,972	22.50
Boston Avenue (B) (3rd to 5th)	\$ 11,710	22.00
Heavy Traffic Way (Guthrie to 7th)	\$ 33,284	22.00
Boston Avenue (C) (Fairview to Archer)	\$ 58,247	20.00
Frankfort Avenue (2nd to 7th)	\$ 146,488	20.00
41st Street South (C) (Riverside to Peoria)	\$ 38,092	2.50
Subtotal	\$ 1,506,766	
TOTAL	\$ 43,733,269	

Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
FY 2013-2014				
0215	Intersection of S Garnett Rd and E 67th St (6501 Garnett Rd) - ADA Complaint	\$ 15,000.00	High	31.00
0217	Intersection of N Hartford Ave and E 39th St N - ADA Complaint	\$ 25,000.00	High	31.00
43047	Intersection of E 22nd St and S Lewis Ave - ADA Complaint	\$ 23,000.00	High	29.30
11042	Intersection of S Allegheny Ave and E 11th St - ADA Complaint	\$ 24,000.00	High	27.05
11053	Intersection of S Oxford Ave and E 11th St - ADA Complaint	\$ 8,000.00	High	27.05
28027	Intersection of N Norwood Ave and E Admiral Pl - ADA Complaint	\$ 9,000.00	High	26.40
11043	Intersection of S Braden Ave and E 11th St - ADA Complaint	\$ 36,000.00	High	24.65
11052	Intersection of S Norwood Ave and E 11th St - ADA Complaint	\$ 8,000.00	High	24.65
41027	Intersection of S Yale Ave and E 40th St - ADA Complaint	\$ 17,000.00	High	24.65
16003	Intersection of E 36th St N and N Kenosha Ave - ADA Complaint	\$ 10,000.00	High	24.00
41032	Intersection of S Yale Ave and E 37th St - ADA Complaint	\$ 18,000.00	High	24.00
41033	Intersection of S Yale Ave and E 35th Ct - ADA Complaint	\$ 8,000.00	High	24.00
0238	Intersection of E Pine St and US 75 SB Exit Ramp - ADA Complaint	\$ 13,000.00	High	23.75
238a	Intersection of E Pine St and US 75 SB Entrance Ramp - ADA Complaint	\$ 13,000.00	High	23.75
238b	Intersection of E Pine St and US 75 NB Ramp - ADA Complaint	\$ 20,000.00	High	23.75
0229	Intersection of E 92nd St and S Memorial Dr - ADA Complaint	\$ 10,000.00	High	23.50
11044	Intersection of S Canton Ave and E 11th St - ADA Complaint	\$ 36,000.00	High	22.25
11047	Intersection of S Fulton Ave and E 11th St - ADA Complaint	\$ 19,000.00	High	22.25
11048	Intersection of S Hudson Ave and E 11th St - ADA Complaint	\$ 26,000.00	High	22.25
11051	Intersection of E 11th St and S Maplewood Ave - ADA Complaint	\$ 8,000.00	High	22.25
28024	Intersection of E Admiral Pl and N Darlington Ave - ADA Complaint	\$ 18,000.00	High	22.25
28025	Intersection of N Hudson Ave and E Admiral Pl - ADA Complaint	\$ 18,000.00	High	22.25
41028	Intersection of S Yale Ave and E 38th Pl (west) - ADA Complaint	\$ 10,000.00	High	22.25
41029	Intersection of S Yale Ave and E 38th Pl (east) - ADA Complaint	\$ 8,000.00	High	22.25
41030	Intersection of S Yale Ave and E 37th Pl (west) - ADA Complaint	\$ 9,000.00	High	22.25
41031	Intersection of S Yale Ave and E 37th Pl (east) - ADA Complaint	\$ 8,000.00	High	22.25
41034	Intersection of S Yale Ave and E 35th St - ADA Complaint	\$ 17,000.00	High	22.25
41033A	Intersection of S Yale Ave and S Allegheny Ave - ADA Complaint	\$ 11,000.00	High	22.25
31036	Intersection of N Cincinnati Ave and E 44th St N - ADA Complaint	\$ 29,000.00	High	22.20
43048	Intersection of E 22nd Pl and S Lewis Ave - ADA Complaint	\$ 30,000.00	High	22.15
43068	Intersection of S Lewis Ave and E 36th Pl - ADA Complaint	\$ 6,000.00	High	21.75
43070	Intersection of E 37th St and S Lewis Ave - ADA Complaint	\$ 8,000.00	High	21.75
43071	Intersection of E 38th St and S Lewis Ave - ADA Complaint	\$ 15,000.00	High	21.75
16002	Intersection of N Garrison Ave and E 36th St N - ADA Complaint	\$ 8,000.00	High	21.50
11045	Intersection of E 11th St and S Darlington Ave - ADA Complaint	\$ 17,000.00	High	20.00
11046	Intersection of S Erie Ave and E 11th St - ADA Complaint	\$ 33,000.00	High	20.00
11049	Intersection of S Joplin Ave and E 11th St - ADA Complaint	\$ 14,000.00	High	20.00
11050	Intersection of E 11th St and S Lakewood Ave - ADA Complaint	\$ 16,000.00	High	20.00
28023	Intersection of E Admiral Pl and N Allegheny Ave - ADA Complaint	\$ 5,000.00	High	20.00
41035	Intersection of S Yale Ave and E 34th St - ADA Complaint	\$ 17,000.00	High	20.00
41036	Intersection of S Yale Ave and E 33rd St (east) - ADA Complaint	\$ 8,000.00	High	20.00
41037	Intersection of S Yale Ave and E 33rd St (west) - ADA Complaint	\$ 17,000.00	High	20.00
41038	Intersection of S Yale Ave and E 32nd St (west) - ADA Complaint	\$ 10,000.00	High	20.00
43054	Intersection of E 26th Pl and S Lewis Ave - ADA Complaint	\$ 25,000.00	High	20.00
43055	Intersection of E 27th St and S Lewis Ave - ADA Complaint	\$ 5,000.00	High	20.00
43056	Intersection of S Lewis Ave and E 27th Pl - ADA Complaint	\$ 7,000.00	High	20.00
43057	Intersection of Forest Blvd / E 28th St and S Lewis Ave - ADA Complaint	\$ 15,000.00	High	20.00
43058	Intersection of S Lewis Ave and E 29th St - ADA Complaint	\$ 11,000.00	High	20.00
43059	Intersection of E 30th St and S Lewis Ave - ADA Complaint	\$ 9,000.00	High	20.00
43060	Intersection of E 31st Pl and S Lewis Ave - ADA Complaint	\$ 8,000.00	High	20.00
43061	Intersection of S Lewis Ave and E 32nd St (west) - ADA Complaint	\$ 8,000.00	High	20.00
43062	Intersection of S Lewis Ave and E 32nd St (east) - ADA Complaint	\$ 7,000.00	High	20.00
43063	Intersection of E 32nd Pl and S Lewis Ave - ADA Complaint	\$ 8,000.00	High	20.00
43064	Intersection of S Lewis Ave and E 33rd St (east) - ADA Complaint	\$ 7,000.00	High	20.00
43065	Intersection of S Lewis Ave and E 33rd St (west) - ADA Complaint	\$ 8,000.00	High	20.00
43066	Intersection of E 34th St and S Lewis Ave - ADA Complaint	\$ 11,000.00	High	20.00
43067	Intersection of S Lewis Ave and E 35th St - ADA Complaint	\$ 8,000.00	High	20.00
43072	Intersection of E 39th St and S Lewis Ave - ADA Complaint	\$ 8,000.00	High	20.00
43073	Intersection of S Lewis Ave and E 40th St - ADA Complaint	\$ 9,000.00	High	20.00
41038A	Intersection of S Yale Ave and E 32nd St (east) - ADA Complaint	\$ 18,000.00	High	20.00
31035	Intersection of N Cincinnati Dr and N Cincinnati Ave - ADA Complaint	\$ 16,000.00	High	19.80
Subtotal		\$ 866,000.00		
FY 2014-2015				
16000	Intersection of E 36th St N and N Detroit Ave - ADA Complaint	\$ 9,000.00	High	19.90
43049	Intersection of S Lewis Ave and E 23rd St - ADA Complaint	\$ 29,000.00	High	19.90
36068	Intersection of N Peoria Ave and US 75 SB Entrance Ramp - ADA Complaint	\$ 8,000.00	High	19.80
36089	Intersection of E 50th Pl N and N Peoria Ave - ADA Complaint	\$ 6,000.00	High	19.75
36086	Intersection of E 48th St N and N Peoria Ave - ADA Complaint	\$ 9,000.00	High	19.75
36088	Intersection of E 50th St N and N Peoria Ave - ADA Complaint	\$ 9,000.00	High	19.75
16001	Intersection of E 36th St N and N Elgin Ave - ADA Complaint	\$ 16,000.00	High	19.75

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
36085	Intersection of N Peoria Ave and E 47th Pl N - ADA Complaint	\$ 13,000.00	High	17.50
36091	Intersection of N Peoria Ave and E 52nd St N (east) - ADA Complaint	\$ 8,000.00	High	17.50
36092	Intersection of N Peoria Ave and E 54th St N - ADA Complaint	\$ 16,000.00	High	17.50
36055	Intersection of S Peoria Ave and E 1st St - ADA Complaint	\$ 31,000.00	High	17.50
15000	Intersection of E 31st St and S Gary Pl - ADA Complaint	\$ 8,000.00	High	17.50
16004	Intersection of N Lansing Ave and E 36th St N - ADA Complaint	\$ 14,000.00	High	17.50
16005	Intersection of N Lansing Pl and E 36th St N - ADA Complaint	\$ 31,000.00	High	17.50
16006	Osage Prairie Trail Crossing at E 36th St N (east of N Lansing Pl) - ADA Complaint	\$ 8,000.00	High	17.50
43050	Intersection of E 24th St and S Lewis Ave - ADA Complaint	\$ 32,000.00	High	17.50
43052	Intersection of E 25th Pl and S Lewis Ave - ADA Complaint	\$ 28,000.00	High	17.5
36087	Intersection of E 49th St N and N Peoria Ave - ADA Complaint	\$ 10,000.00	High	17.25
36090	Intersection of E 51st St N and N Peoria Ave - ADA Complaint	\$ 8,000.00	High	15.00
36084B	Intersection of N Peoria Ave and E 47th St N - ADA Complaint	\$ 18,000.00	High	15.00
36090A	Intersection of N Peoria Ave and E 52nd St N (west) - ADA Complaint	\$ 11,000.00	High	15.00
39052	Intersection of E 9th St and S Sheridan Rd	\$ 19,000.00	High	51.10
3007	Intersection of S Utica Ave and E 13th St	\$ 29,000.00	High	44.90
24000	Intersection of E 81st St and S Wheeling Ave	\$ 11,000.00	High	41.50
4004	Intersection of S Trenton Ave and E 11th St	\$ 20,000.00	High	38.20
4005	Intersection of E 11th St and S Troost Ave	\$ 12,000.00	High	38.20
4006	Intersection of S Utica Pl and E 11th St	\$ 36,000.00	High	36.30
43034	Intersection of S Lewis Ave and E 5th Pl	\$ 34,000.00	High	36.15
4003	Intersection of E 11th St and S StLouis Ave	\$ 28,000.00	High	35.80
11021	Intersection of E 11th St and S Delaware Pl	\$ 7,000.00	High	34.70
23002	Intersection of S Quincy Ave and E 71st St	\$ 17,000.00	High	34.40
43035	Intersection of S Lewis Ave and E 7th St	\$ 27,000.00	High	34.40
39033	Intersection of S Sheridan Rd and E 30th St	\$ 8,000.00	High	34.25
39032	Intersection of S Sheridan Rd and E 32nd St	\$ 11,000.00	High	34.15
7000	Intersection of S Victor Ave and E 21st St	\$ 8,000.00	High	34.05
7002	Intersection of E 21st St and S Xanthus Ave	\$ 33,000.00	High	34.05
4007	Intersection of E 11th St and S Victor Ave	\$ 34,000.00	High	33.90
36012	Intersection of S Peoria Ave and E 49th Pl	\$ 29,000.00	High	33.60
3011	Intersection of S Utica Ave and E 17th Pl (west)	\$ 15,000.00	High	33.40
3012	Intersection of S Utica Ave and E 17th Pl (east)	\$ 32,000.00	High	33.40
3006	Intersection of E 10th St and S Utica Ave	\$ 9,000.00	High	33.05
8002	Intersection of S Yale Ave and E 14th St	\$ 25,000.00	High	32.55
8003	Intersection of S Yale Ave and E 16th St	\$ 16,000.00	High	32.55
2007	Intersection of S Peoria Ave and E 12th St	\$ 18,000.00	High	32.10
4000	Intersection of S Quaker Ave and E 11th St	\$ 19,000.00	High	32.10
36016	Intersection of S Peoria Ave and E 46th St	\$ 18,000.00	High	31.90
13061	Intersection of E 21st St and S 120th East Ave (south)	\$ 16,000.00	High	31.85
Subtotal		\$ 853,000.00		
FY 2015-2016				
43026	Intersection of E Haskell Pl and N Lewis Ave	\$ 18,000.00	High	31.85
6000	Intersection of E 12th St and S Harvard Ave	\$ 16,000.00	High	31.80
7004	Intersection of E 21st St and S Zunis Ave	\$ 19,000.00	High	31.65
4008	Intersection of E 11th St and S Wheeling Ave	\$ 34,000.00	High	31.50
4001	Intersection of S Quincy Ave and E 11th St	\$ 21,000.00	High	31.45
33020	Intersection of S Garnett Rd and E 22nd St	\$ 15,000.00	High	31.35
5000	Intersection of E 15th St and S Quaker Ave	\$ 35,000.00	High	31.30
5001	Intersection of E 15th St and S Quincy Ave	\$ 32,000.00	High	31.30
8000	Intersection of S Yale Ave and E 12th St	\$ 20,000.00	High	31.30
1012	Intersection of N Owasso Ave and E Pine St	\$ 26,000.00	High	31.15
4002	Intersection of S Rockford Ave and E 11th St	\$ 21,000.00	High	31.15
36013	Intersection of S Peoria Ave and E 49th St	\$ 34,000.00	High	31.10
33047	Intersection of S Garnett Rd and E 29th St (east)	\$ 17,000.00	High	31.05
3013	Intersection of S Utica Ave and Swan Dr	\$ 23,000.00	High	31.00
1006	Intersection of E Pine St and N Greenwood Pl	\$ 17,000.00	High	30.95
3005	Intersection of S Utica Ave and E 8th St	\$ 24,000.00	High	30.65
0202	Intersection of E 15th St and S Atlanta Pl	\$ 24,000.00	High	30.50
11028	Intersection of S Gary Pl and E 11th St	\$ 17,000.00	High	29.90
11029	Intersection of S Indianapolis Ave and E 11th St	\$ 18,000.00	High	29.90
12050	Intersection of E 15th St and S 67th East Ave	\$ 8,000.00	High	29.60
32013	Intersection of N 23rd West Ave and W Edison St	\$ 8,000.00	High	29.60
39048	Intersection of S Sheridan Rd and E 14th St	\$ 8,000.00	High	29.60
43027	Intersection of N Lewis Ave and E Haskell St (east)	\$ 11,000.00	High	29.60
43036	Intersection of E 8th St and S Lewis Ave	\$ 25,000.00	High	29.60
43041A	Intersection of S Lewis Ave and E 14th Pl	\$ 18,000.00	High	29.60
3009	Intersection of S Utica Ave and E 16th St	\$ 29,000.00	High	29.55
3010	Intersection of S Utica Ave and E 17th St	\$ 24,000.00	High	29.55
4013	Intersection of E 11th St and S Gillette Ave	\$ 7,000.00	High	29.55
5011	Intersection of S Gillette Ave and E 15th St	\$ 8,000.00	High	29.55
43086	Intersection of S Lewis Ave and E 59th Ct	\$ 12,000.00	High	29.45

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
6001	Intersection of S Harvard Ave and E 13th St	\$ 35,000.00	High	29.40
2006	Intersection of S Peoria Ave and E 10th St	\$ 16,000.00	High	29.35
18006	Intersection of E 46th St N and N Frankfort Ave	\$ 19,000.00	High	29.30
34032	Intersection of S Harvard Ave and E 5th Pl	\$ 13,000.00	High	29.30
34033	Intersection of S Harvard Ave and E 4th Pl (west)	\$ 6,000.00	High	29.30
11030	Intersection of E 11th St and S Jamestown Ave	\$ 17,000.00	High	29.25
11022	Intersection of S Evanston Ave and E 11th St	\$ 18,000.00	High	29.15
2008	Intersection of S Peoria Ave and E 13th St	\$ 30,000.00	High	29.05
2009	Intersection of S Peoria Ave and E 13th Pl	\$ 8,000.00	High	29.05
2013	Intersection of S Peoria Ave and E 16th St (west)	\$ 17,000.00	High	29.05
36029	Intersection of S Peoria Ave and E 35th Pl	\$ 26,000.00	High	28.95
39075	Intersection of N Sheridan Rd and E Newton St	\$ 11,000.00	High	28.95
43033	Intersection of S Lewis Ave and E 5th St	\$ 18,000.00	High	28.95
5002	Intersection of E 15th St and S Rockford Ave	\$ 20,000.00	High	28.90
11041	Intersection of E 11th St and S Winston Ave	\$ 34,000.00	High	28.80
Subtotal		\$ 877,000.00		
FY 2016-2017				
35005	Intersection of S Mingo Rd and E 65th St	\$ 14,000.00	High	28.80
34025	Intersection of S Harvard Ave and E 25th St	\$ 4,000.00	High	28.65
34027	Intersection of S Harvard Ave and E 23rd St	\$ 15,000.00	High	28.65
1007	Intersection of N Hartford Ave and E Pine St	\$ 29,000.00	High	28.55
2004	Intersection of S Peoria Ave and E 6th St (west)	\$ 10,000.00	High	28.55
12042	Intersection of E 15th St and S Winston Ave	\$ 16,000.00	High	27.80
12043	Intersection of E 15th St and S Allegheny Ave	\$ 17,000.00	High	27.80
33018	Intersection of S Garnett Rd and E 23rd St (east)	\$ 17,000.00	High	27.80
33019	Intersection of S Garnett Rd and E 23rd St (west)	\$ 17,000.00	High	27.80
44017	Intersection of S Memorial Dr and E 60th St	\$ 29,000.00	High	27.65
11023	Intersection of E 11th St and S College Ave	\$ 16,000.00	High	27.50
11024	Intersection of S Florence Ave and E 11th St	\$ 25,000.00	High	27.50
11027	Intersection of S Gary Ave and E 11th St	\$ 11,000.00	High	27.50
11031	Intersection of E 11th St and S Knoxville Ave	\$ 15,000.00	High	27.50
24001	Intersection of S Yorktown Ave and E 81st St	\$ 23,000.00	High	27.50
2012	Intersection of S Peoria Ave and E 16th St (east)	\$ 16,000.00	High	27.30
9007	Intersection of S 129th East Ave and E 28th Pl	\$ 16,000.00	High	27.25
13056	Intersection of E 21st St and S 111th East Ave	\$ 23,000.00	High	27.20
13057	Intersection of E 21st St and S 114th East Ave	\$ 8,000.00	High	27.20
15007	Intersection of S 67th East Ave and E 31st St	\$ 21,000.00	High	27.20
15019	Intersection of E 31st St and S 99th East Ave	\$ 8,000.00	High	27.20
43028	Intersection of N Lewis Ave and E Haskell St (west)	\$ 18,000.00	High	27.20
43029	Intersection of E Archer St and N Lewis Ave	\$ 18,000.00	High	27.20
5010	Intersection of S Yorktown Pl and E 15th St	\$ 8,000.00	High	27.15
6002	Intersection of S Harvard Ave and E 14th St	\$ 28,000.00	High	27.15
21023	Intersection of S Lakewood Pl and E 51st St	\$ 18,000.00	High	27.15
39067	Intersection of N Sheridan Rd and E Independence St (west)	\$ 15,000.00	High	27.10
41046	Intersection of S Yale Ave and E 7th St	\$ 31,000.00	High	27.10
13060	Intersection of E 21st St and S 120th East Ave (north)	\$ 14,000.00	High	27.05
21005	Intersection of E 51st St South and S Delaware Pl	\$ 6,000.00	High	27.05
34038	Intersection of E Archer St and N Harvard Ave	\$ 41,000.00	High	27.05
37036	Intersection of E Pine St and N Atlanta Ave (north)	\$ 18,000.00	High	27.05
37038	Intersection of E Pine St and N Atlanta Pl	\$ 17,000.00	High	27.05
43087	Intersection of S Lewis Ave and E 65th Pl	\$ 14,000.00	High	27.05
5006	Intersection of S Victor Ave and E 15th St	\$ 16,000.00	High	27.00
13048	Intersection of E 21st St and S 89th East Ave	\$ 29,000.00	High	27.00
11020	Intersection of E 11th St and S Columbia Ave	\$ 26,000.00	High	26.90
29008	Intersection of E Apache St and N Hartford Ave (south)	\$ 18,000.00	High	26.75
29009	Intersection of E Apache St and N Hartford Ave (north)	\$ 18,000.00	High	26.75
2014	Intersection of S Peoria Ave and E 17th St	\$ 17,000.00	High	26.65
2015	Intersection of S Peoria Ave and E 17th Pl	\$ 21,000.00	High	26.65
12030	Intersection of S Indianapolis Ave and E 15th St	\$ 31,000.00	High	26.55
28039	Intersection of S 74th East Ave and E Admiral Pl	\$ 8,000.00	High	26.55
34037	Intersection of N Harvard Ave and E Admiral Ct	\$ 33,000.00	High	26.55
36000	Intersection of S Peoria Ave and E 68th St	\$ 8,000.00	High	26.55
39076	Intersection of N Sheridan Rd and E Newton Pl (east)	\$ 9,000.00	High	26.55
39077	Intersection of N Sheridan Rd and E Newton Pl (west)	\$ 11,000.00	High	26.55
39078	Intersection of N Sheridan Rd and E Oklahoma St	\$ 20,000.00	High	26.55
Subtotal		\$ 861,000.00		
FY 2017-2018				
43017	Intersection of N Lewis Ave and E Seminole St	\$ 16,000.00	High	26.55
43018	Intersection of N Lewis Ave and E Reading St (west)	\$ 17,000.00	High	26.55
43020	Intersection of N Lewis Ave and E Queen St	\$ 18,000.00	High	26.55
5003	Intersection of E 15th St and S StLouis Ave	\$ 21,000.00	High	26.50
5012	Intersection of S Lewis Pl and E 15th St	\$ 26,000.00	High	26.50

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
6004	Intersection of E 17th St and S Harvard Ave	\$ 16,000.00	High	26.50
6005	Intersection of S Harvard Ave and E 19th St	\$ 33,000.00	High	26.50
8001	Intersection of S Yale Ave and E 13th St	\$ 30,000.00	High	26.50
11040	Intersection of S Vandalia Ave and E 11th St	\$ 36,000.00	High	26.40
13041	Intersection of E 21st St and S 74th East Ave	\$ 18,000.00	High	26.40
34039	Intersection of N Harvard Ave and E Easton St	\$ 35,000.00	High	26.40
2003	Intersection of S Peoria Ave and E 5th Pl	\$ 27,000.00	High	26.30
3000	Intersection of S Utica Ave and E 2nd St	\$ 39,000.00	High	26.30
3001	Intersection of E 4th St and S Utica Ave	\$ 7,000.00	High	26.30
15016	Intersection of S 89th East Ave and E 31st St	\$ 11,000.00	High	26.25
17008	Intersection of S Waco Ave and W 41st St	\$ 35,000.00	High	26.25
22017	Intersection of E 61st St and S Hudson Ave (south)	\$ 16,000.00	High	26.25
31002	Intersection of E Jasper St and N Cincinnati Ave	\$ 30,000.00	High	26.25
31003	Intersection of E Latimer St and N Cincinnati Ave	\$ 10,000.00	High	26.25
33048	Intersection of S Garnett Rd and E 29th St (west)	\$ 5,000.00	High	26.25
34020	Intersection of E 30th St and S Harvard Ave	\$ 33,000.00	High	26.25
43024	Intersection of N Lewis Ave and E Marshall St	\$ 11,000.00	High	26.25
12041	Intersection of E 15th St and S Urbana Ave	\$ 43,000.00	High	25.40
33017	Intersection of S Garnett Rd and E 25th St	\$ 22,000.00	High	25.40
43005	Intersection of Mohawk Blvd and N Lewis Ave	\$ 21,000.00	High	25.30
36053	Intersection of E 21st Pl and S Peoria Ave	\$ 19,000.00	High	25.25
44014	Intersection of E 63rd Pl and S Memorial Dr	\$ 22,000.00	High	25.25
44016	Intersection of S Memorial Dr and E 63rd St (east)	\$ 8,000.00	High	25.25
44015	Intersection of S Memorial Dr and E 63rd St (west)	\$ 14,000.00	High	25.25
11025	Intersection of S Florence Pl and E 11th St	\$ 10,000.00	High	25.00
11071	Intersection of E 11th St and S 111th East Ave	\$ 11,000.00	High	25.00
2010	Intersection of S Peoria Ave and E 14th St	\$ 15,000.00	High	24.90
4012	Intersection of E 11th St and S Zuni Ave	\$ 9,000.00	High	24.90
6003	Intersection of S Harvard Ave and E 16th St	\$ 33,000.00	High	24.90
36018	Intersection of S Peoria Ave and E 44th Pl	\$ 17,000.00	High	24.80
11015	Intersection of S Lewis Pl and E 11th St	\$ 18,000.00	High	24.80
12020	Intersection of E 15th St and S Columbia Ave	\$ 31,000.00	High	24.80
12021	Intersection of S Columbia Pl and E 15th St	\$ 16,000.00	High	24.80
12024	Intersection of S Evanston Ave and E 15th St	\$ 29,000.00	High	24.80
12026	Intersection of S Florence Ave and E 15th St	\$ 30,000.00	High	24.80
43031	Intersection of S Lewis Ave and E 4th St	\$ 7,000.00	High	24.80
Subtotal		\$ 865,000.00		
FY 2018-2019				
13007	Intersection of E 21st St and S Madison Ave	\$ 35,000.00	High	24.80
13054	Intersection of E 21st St and S 108th East Ave	\$ 15,000.00	High	24.80
13055	Intersection of S 109th East Ave and E 21st St	\$ 9,000.00	High	24.80
15018	Intersection of S 93rd East Ave and E 31st St	\$ 17,000.00	High	24.80
15020	Intersection of E 31st St and S 101st East Ave (south)	\$ 10,000.00	High	24.80
15021	Intersection of E 31st St and S 101st East Ave (north)	\$ 20,000.00	High	24.80
15022	Intersection of E 31st St and S 111th East Ave	\$ 8,000.00	High	24.80
15023	Intersection of E 31st St and S 116th East Ave (south)	\$ 19,000.00	High	24.80
19006	Intersection of S 33rd West Ave and I-44 EB Ramp	\$ 32,000.00	High	24.80
29015	Intersection of E Apache St and N Owasso Ave	\$ 10,000.00	High	24.80
31008	Intersection of N Cincinnati Ave and E Oklahoma St (east)	\$ 17,000.00	High	24.80
33010	Intersection of E 37th St and S Garnett Rd	\$ 17,000.00	High	24.80
33024	Intersection of S Garnett Rd and E 16th St	\$ 18,000.00	High	24.80
33027	Intersection of S Garnett Rd and I-44 EB Ramp	\$ 21,000.00	High	24.80
35025	Intersection of S 101st East Ave and E 21st Pl (east)	\$ 18,000.00	High	24.80
36008	Intersection of S Peoria Ave and E 58th St	\$ 21,000.00	High	24.80
36009	Intersection of S Peoria Ave and E 57th Pl	\$ 16,000.00	High	24.80
37034	Intersection of E Pine St and N Lewis Pl	\$ 30,000.00	High	24.80
37045	Intersection of N Delaware Pl and E Pine St	\$ 37,000.00	High	24.80
39022	Intersection of S Sheridan Rd and E 50th St	\$ 9,000.00	High	24.80
39043	Intersection of S Sheridan Rd and E 24th St	\$ 9,000.00	High	24.80
39046	Intersection of S Sheridan Rd and E 19th St	\$ 9,000.00	High	24.80
39047	Intersection of S Sheridan Rd and E 17th St	\$ 8,000.00	High	24.80
43019	Intersection of N Lewis Ave and E Reading St (east)	\$ 18,000.00	High	24.80
43030	Intersection of E 2nd St and S Lewis Ave	\$ 20,000.00	High	24.80
43037	Intersection of E 10th St and S Lewis Ave	\$ 20,000.00	High	24.80
44005	Intersection of S Memorial Dr and E 79th St	\$ 15,000.00	High	24.80
3008	Intersection of S Utica Ave and E 14th Pl	\$ 8,000.00	High	24.75
4009	Intersection of S Xanthus Ave and E 11th St	\$ 29,000.00	High	24.75
5007	Intersection of E 15th St and S Xanthus Pl	\$ 10,000.00	High	24.75
5008	Intersection of E 15th St and S Yorktown Ave	\$ 10,000.00	High	24.75
5009	Intersection of S Yorktown Pl and E 15th St	\$ 18,000.00	High	24.75
13050	Intersection of E 21st St and S 92nd East Ave	\$ 9,000.00	High	24.75
26012	Intersection of S 129th East Ave and E 31st Ct (east)	\$ 22,000.00	High	24.70

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
36006	Intersection of S Peoria Ave and E 62nd St	\$ 8,000.00	High	24.70
11016	Intersection of E 11th St and S Atlanta Ave	\$ 32,000.00	High	24.65
11054	Intersection of E 11th St and S 67th East Ave	\$ 8,000.00	High	24.65
18004	Intersection of E 46th St N and N Detroit Pl	\$ 9,000.00	High	24.65
13034	Intersection of E 21st St and S 68th East Ave	\$ 16,000.00	High	24.65
17049	Intersection of E 41st St and S Vandalia Ave	\$ 17,000.00	High	24.65
18005	Intersection of E 46th St N and N Elgin Ave	\$ 9,000.00	High	24.65
21031	Intersection of E 51st St and S 76th East Ave	\$ 15,000.00	High	24.65
21032	Intersection of E 51st St and S 83rd East Ave	\$ 18,000.00	High	24.65
37039	Intersection of E Pine St and N Atlanta Ct	\$ 33,000.00	High	24.65
39080	Intersection of N Sheridan Rd and E Pine Pl	\$ 34,000.00	High	24.65
43042	Intersection of S Lewis Ave and E 16th St	\$ 18,000.00	High	24.65
11070	Intersection of E 11th St and S 107th East Ave	\$ 26,000.00	High	24.55
11076	Intersection of E 11th St and S 127th East Ave	\$ 11,000.00	High	24.55
12054	Intersection of E 15th St and S 71st East Ave	\$ 8,000.00	High	24.55
32003	Intersection of N Quannah Ave and W Edison St	\$ 19,000.00	High	24.55
Subtotal		\$ 865,000.00		
FY 2019-2020				
33045	Intersection of E 33rd St and S Garnett Rd	\$ 15,000.00	High	24.55
37037	Intersection of E Pine St and N Atlanta Ave (south)	\$ 18,000.00	High	24.55
39014	Intersection of S Sheridan Rd and E 62nd St	\$ 18,000.00	High	24.55
13049	Intersection of E 21st St and S 93rd East Ave	\$ 18,000.00	High	24.50
17006	Intersection of S Zenith Ave and W 41st St	\$ 42,000.00	High	24.50
17007	Intersection of S Yukon Ave and W 41st St	\$ 30,000.00	High	24.50
17041	Intersection of E 41st St and S Oswego Ave	\$ 18,000.00	High	24.50
17042	Intersection of S New Haven Pl and E 41st St	\$ 17,000.00	High	24.50
17043	Intersection of E 41st St and S Pittsburg Ave (north)	\$ 18,000.00	High	24.50
17044	Intersection of E 41st St and S Pittsburg Ave (south)	\$ 36,000.00	High	24.50
17045	Intersection of E 41st St and S Richmond Ave	\$ 10,000.00	High	24.50
17046	Intersection of S Sandusky Ave and E 41st St	\$ 36,000.00	High	24.50
17054	Intersection of E 41st St and S 100th East Ave (north)	\$ 11,000.00	High	24.50
17055	Intersection of E 41st St and S 100th East Ave (south)	\$ 19,000.00	High	24.50
18007	Intersection of E 46th St N and N Garrison Ave	\$ 16,000.00	High	24.50
18008	Intersection of E 46th St N and N Garrison Pl	\$ 8,000.00	High	24.50
22018	Intersection of E 61st St and S Irvington Ave	\$ 13,000.00	High	24.50
33016	Intersection of E 26th St and S Garnett Rd	\$ 15,000.00	High	24.50
33034	Intersection of E 3rd St and S Garnett Rd	\$ 35,000.00	High	24.50
34030	Intersection of S Harvard Ave and E 7th St	\$ 25,000.00	High	24.50
41015	Intersection of S Yale Ave and E 68th St (east)	\$ 18,000.00	High	24.50
41016	Intersection of S Yale Ave and E 67th St	\$ 29,000.00	High	24.50
41021	Intersection of S Yale Ave and E 54th St	\$ 15,000.00	High	24.50
17053A	Intersection of S 94th East Ave and E 41st St	\$ 9,000.00	High	24.50
2016	Intersection of S Peoria Ave and E 18th St	\$ 24,000.00	High	24.25
5004	Intersection of E 15th St and S Trenton Ave	\$ 36,000.00	High	24.25
9004	Intersection of S 129th East Ave and E 26th St	\$ 10,000.00	High	24.25
9005	Intersection of E 27th St and S 129th East Ave	\$ 25,000.00	High	24.25
9006	Intersection of S 129th East Ave and E 28th St	\$ 9,000.00	High	24.25
12031	Intersection of S Jamestown Ave and E 15th St	\$ 31,000.00	High	24.15
15013	Intersection of S 86th East Ave and E 31st St	\$ 7,000.00	High	24.15
21003	Intersection of S Columbia Ave and E 51st St	\$ 10,000.00	High	24.15
43021	Intersection of E Oklahoma Pl and N Lewis Ave	\$ 16,000.00	High	24.15
3019	Intersection of S Utica Ave and E Independence St	\$ 15,000.00	High	24.05
3020	Intersection of S Utica Ave and E Jasper St	\$ 24,000.00	High	24.05
34054	Intersection of N Harvard Ave and E Virgin St (east)	\$ 18,000.00	High	24.05
34055	Intersection of N Harvard Ave and E Virgin St (west)	\$ 18,000.00	High	24.05
11056	Intersection of E 11th St and S 71st East Ave (north)	\$ 8,000.00	High	24.00
11057	Intersection of E 11th St and S 71st East Ave (south)	\$ 18,000.00	High	24.00
13001	Intersection of S Nogales Ave and W 23rd St	\$ 38,000.00	High	24.00
13017	Intersection of S Atlanta Ave and E 21st St	\$ 16,000.00	High	24.00
13046	Intersection of S 85th East Ave and E 21st St	\$ 36,000.00	High	24.00
31015	Intersection of N Cincinnati Ave and E Tecumseh St (west)	\$ 17,000.00	High	24.00
Subtotal		\$ 865,000.00		
FY 2020-2021				
13043	Intersection of E 21st St and S 76th East Ave	\$ 15,000.00	High	24.00
13062	Intersection of E 21st St and S 123rd East Ave	\$ 18,000.00	High	24.00
15015	Intersection of E 31st St and S 88th East Ave	\$ 9,000.00	High	24.00
15029	Intersection of S 126th East Ave and E 31st St	\$ 16,000.00	High	24.00
17052	Intersection of E 41st St and SH 51 Entrance WB Ramp	\$ 10,000.00	High	24.00
17053	Intersection of E 41st St and S 92nd East Ave	\$ 18,000.00	High	24.00
31004	Intersection of N Cincinnati Ave and E Latimer Pl	\$ 33,000.00	High	24.00
13040	Intersection of S 73rd East Ave and E 21st St	\$ 16,000.00	High	24.00
31016	Intersection of N Cincinnati Ave and E Ute St	\$ 15,000.00	High	24.00

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
31017	Intersection of N Cincinnati Ave and E Ute Pl	\$ 9,000.00	High	24.00
31018	Intersection of N Cincinnati Ave and E Virgin St	\$ 18,000.00	High	24.00
33029	Intersection of S Garnett Rd and E 7th St (west)	\$ 28,000.00	High	24.00
33030	Intersection of S Garnett Rd and E 7th St (east)	\$ 9,000.00	High	24.00
33049	Intersection of E 28th St and S Garnett Rd	\$ 15,000.00	High	24.00
34019	Intersection of S Harvard Ave and E 30th Pl	\$ 33,000.00	High	24.00
34040	Intersection of E Haskell St and N Harvard Ave	\$ 35,000.00	High	24.00
34041	Intersection of N Harvard Ave and E Haskell Pl	\$ 18,000.00	High	24.00
36011	Intersection of E 55th St and S Peoria Ave	\$ 23,000.00	High	24.00
39081	Intersection of N Sheridan Rd and E Queen St	\$ 34,000.00	High	24.00
43014	Intersection of N Lewis Ave and E Woodrow St	\$ 18,000.00	High	24.00
43015	Intersection of N Lewis Ave and E Virgin St	\$ 18,000.00	High	24.00
43046	Intersection of S Lewis Ave and E 20th St	\$ 34,000.00	High	24.00
43091	Intersection of S Lewis Ave and E 75th St	\$ 18,000.00	High	24.00
43094	Intersection of S Lewis Ave and S Lewis Ct	\$ 8,000.00	High	24.00
13017a	Intersection of E 21st St and S Atlanta Pl	\$ 10,000.00	High	24.00
28027A	Intersection of S 66th East Ave and E Admiral Pl	\$ 11,000.00	High	24.00
3002	Intersection of E 4th Pl and S Utica Ave	\$ 28,000.00	High	23.90
28012	Intersection of S Indianapolis Ave and E Admiral Pl	\$ 28,000.00	High	23.90
22029	Intersection of 85th E Ave / S 86th East Ave and E 61st St	\$ 36,000.00	High	23.75
34005	Intersection of S Harvard Ave and E 56th St	\$ 30,000.00	High	23.75
12035	Intersection of E 15th St and S New Haven Ave	\$ 33,000.00	High	23.00
12036	Intersection of E 15th St and S Oswego Ave	\$ 24,000.00	High	23.00
12040	Intersection of E 15th St and S Sandusky Ave	\$ 44,000.00	High	23.00
13032	Intersection of E 21st St and S Oswego Ave	\$ 16,000.00	High	23.00
21022	Intersection of E 51st St and S Lakewood Ave	\$ 18,000.00	High	22.75
2017	Intersection of S Peoria Ave and E 19th St	\$ 29,000.00	High	22.50
4010	Intersection of E 11th St and S Xanthus Pl	\$ 33,000.00	High	22.50
5005	Intersection of S Troost Ave and E 15th St	\$ 25,000.00	High	22.50
11071a	Intersection of E 11th St and I-44 WB Exit Ramp	\$ 8,000.00	High	22.50
2018	Intersection of S Peoria Ave and E 20th St	\$ 23,000.00	High	22.50
Subtotal		\$ 864,000.00		
FY 2021-2022				
4011	Intersection of S Yorktown Ave and E 11th St	\$ 28,000.00	High	22.50
2011	Intersection of S Peoria Ave and E 14th Pl	\$ 14,000.00	High	22.50
9001	Intersection of S 129th East Ave and E 23rd St	\$ 23,000.00	High	22.50
9003	Intersection of S 129th East Ave and E 24th St (east)	\$ 16,000.00	High	22.50
10002	Intersection of E 55th Pl and S Garnett Rd	\$ 22,000.00	High	22.50
10003	Intersection of E 56th St and S Garnett Rd	\$ 16,000.00	High	22.50
12018	Intersection of S Atlanta Ave and E 15th St	\$ 35,000.00	High	22.40
12027	Intersection of S Florence Pl and E 15th St	\$ 31,000.00	High	22.40
12028	Intersection of S Gary Ave and E 15th St	\$ 31,000.00	High	22.40
12044	Intersection of E 15th St and S Braden Ave	\$ 17,000.00	High	22.40
13052	Intersection of S 103rd East Ave and E 21st St	\$ 15,000.00	High	22.40
13053	Intersection of E 21st St and S 107th East Ave	\$ 16,000.00	High	22.40
19007	Intersection of S 33rd West Ave and I-44 WB Ramp	\$ 32,000.00	High	22.40
29014	Intersection of N Norfolk Ave and E Apache St	\$ 22,000.00	High	22.40
29016	Intersection of N Quaker Ave and E Apache St	\$ 35,000.00	High	22.40
33025	Intersection of S Garnett Rd and E 15th St	\$ 17,000.00	High	22.40
33028	Intersection of S Garnett Rd and I-44 WB Entrance Ramp	\$ 11,000.00	High	22.40
36001	Intersection of S Peoria Ave and E 67th St	\$ 8,000.00	High	22.40
36042	Intersection of S Peoria Ave and E 27th Pl	\$ 17,000.00	High	22.40
36046	Intersection of E 26th Pl and S Peoria Ave	\$ 9,000.00	High	22.40
37044	Intersection of E Pine St and N Delaware Ave	\$ 34,000.00	High	22.40
37046	Intersection of N Evanston Ave and E Pine St	\$ 35,000.00	High	22.40
39070	Intersection of E Latimer St and N Sheridan Rd	\$ 10,000.00	High	22.40
43032	Intersection of S Lewis Ave and E 4th Pl	\$ 18,000.00	High	22.40
43038	Intersection of S Lewis Ave and E 12th St	\$ 19,000.00	High	22.40
44023	Intersection of S Memorial Dr and E 53rd St	\$ 14,000.00	High	22.40
44023A	Intersection of S Memorial Dr and E 50th St	\$ 21,000.00	High	22.40
1000	Intersection of E Pine St and N Detroit Ave	\$ 7,000.00	High	22.30
3018	Intersection of S Utica Ave and E Haskell St (west)	\$ 15,000.00	High	22.30
3026	Intersection of S Utica Ave and E Marshall St	\$ 33,000.00	High	22.30
3027	Intersection of S Utica Ave and E Marshall Pl	\$ 17,000.00	High	22.30
12051	Intersection of E 15th St and S 68th East Ave	\$ 8,000.00	High	22.30
12025	Intersection of S College Ave and E 15th St	\$ 32,000.00	High	22.30
12029	Intersection of S Gary Pl and E 15th St	\$ 32,000.00	High	22.30
26013	Intersection of S 129th East Ave and E 31st Ct (west)	\$ 13,000.00	High	22.30
27001	Intersection of S Rockford Ave and E 1st St	\$ 18,000.00	High	22.30
33046	Intersection of S Garnett Rd and E 32nd St	\$ 15,000.00	High	22.30
35033	Intersection of S 95th East Ave and S Mingo Rd	\$ 16,000.00	High	22.30
36002	Intersection of S Peoria Ave and E 66th Pl	\$ 16,000.00	High	22.30

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
36043	Intersection of S Peoria Ave and E 27th St (west)	\$ 8,000.00	High	22.30
36044	Intersection of S Peoria Ave and E 27th St (east)	\$ 17,000.00	High	22.30
36045	Intersection of Hazel Blvd and S Peoria Ave	\$ 8,000.00	High	22.30
37010	Intersection of N Denver Ave and W Pine St	\$ 33,000.00	High	22.30
39042	Intersection of S Sheridan Rd and E 24th Pl (west)	\$ 11,000.00	High	22.30
Subtotal		\$ 865,000.00		
FY 2022-2023				
39001	Intersection of E 79th St and S Sheridan Rd	\$ 20,000.00	High	22.30
39004	Intersection of S Sheridan Rd and E 76th St	\$ 10,000.00	High	22.30
39021	Intersection of S Sheridan Rd and E 51st Pl	\$ 9,000.00	High	22.30
39044	Intersection of S Sheridan Rd and E 23rd St	\$ 18,000.00	High	22.30
39045	Intersection of S Sheridan Rd and E 21st Pl	\$ 16,000.00	High	22.30
39049	Intersection of S Sheridan Rd and E 13th St	\$ 11,000.00	High	22.30
39051	Intersection of S Sheridan Rd and E 10th St	\$ 15,000.00	High	22.30
39065	Intersection of N Sheridan Rd and E Archer St	\$ 28,000.00	High	22.30
39066	Intersection of N Sheridan Rd and E Haskell Pl	\$ 11,000.00	High	22.30
39068	Intersection of N Sheridan Rd and E King St (west)	\$ 17,000.00	High	22.30
41045	Intersection of E 8th St and S Yale Ave	\$ 15,000.00	High	22.30
41047	Intersection of E 6th St and S Yale Ave	\$ 14,000.00	High	22.30
44004	Intersection of S Memorial Dr and E 80th St	\$ 15,000.00	High	22.30
11017	Intersection of S Atlanta Pl and E 11th St	\$ 18,000.00	High	22.25
11055	Intersection of S 69th East Ave and E 11th St	\$ 22,000.00	High	22.25
13003	Intersection of W 21st St and S Main St	\$ 9,000.00	High	22.25
13005	Midblock Crossing at E 21st St (east of S Boston Ave)	\$ 6,000.00	High	22.25
13035	Intersection of E 21st St and S 69th East Ave	\$ 24,000.00	High	22.25
13038	Intersection of E 21st St and S 71st East Ave	\$ 18,000.00	High	22.25
13047	Intersection of E 21st St and S 87th East Ave	\$ 11,000.00	High	22.25
15017	Intersection of E 31st St and S 94th East Ave	\$ 18,000.00	High	22.25
17003	Intersection of S 24th West Ave and W 41st St	\$ 16,000.00	High	22.25
17004	Intersection of S 23rd West Ave and W 41st St	\$ 26,000.00	High	22.25
17011	Intersection of S Cincinnati Ave and E 41st St	\$ 16,000.00	High	22.25
17012	Intersection of E 41st St and S Detroit Ave	\$ 24,000.00	High	22.25
17013	Intersection of E 41st St and S Madison Ave	\$ 15,000.00	High	22.25
17014	Intersection of S Madison Pl and E 41st St	\$ 16,000.00	High	22.25
17018	Intersection of E 41st St and S Rockford Ave	\$ 15,000.00	High	22.25
17019	Intersection of S St Louis Ave and E 41st St	\$ 19,000.00	High	22.25
17029	Intersection of E 41st St and S Columbia Pl	\$ 16,000.00	High	22.25
17030	Intersection of E 41st St and S Delaware Ave	\$ 17,000.00	High	22.25
17031	Intersection of E 41st St and S Delaware Pl	\$ 18,000.00	High	22.25
17032	Intersection of E 41st St and S Evanston Ave	\$ 18,000.00	High	22.25
17033	Intersection of S Florence Ave and E 41st St	\$ 15,000.00	High	22.25
17035	Intersection of E 41st St and S Florence Pl (west)	\$ 26,000.00	High	22.25
17036	Intersection of E 41st St and S Florence Pl (east)	\$ 32,000.00	High	22.25
23029	Intersection of E 73rd St and E 71st St	\$ 18,000.00	High	22.25
17038	Intersection of E 41st St and S Louisville Ave	\$ 15,000.00	High	22.25
17039	Intersection of E 41st St and S Marion Ave	\$ 16,000.00	High	22.25
17040	Intersection of S New Haven Ave and E 41st St	\$ 36,000.00	High	22.25
17047	Intersection of E 41st St and S Toledo Ave	\$ 23,000.00	High	22.25
17048	Intersection of E 41st St and S Urbana Ave	\$ 18,000.00	High	22.25
17050	Intersection of E 41st St and S 87th East Ave	\$ 17,000.00	High	22.25
21011	Intersection of S Pittsburg Ave and E 51st St	\$ 18,000.00	High	22.25
21012	Intersection of E 51st St and S Richmond Ave	\$ 17,000.00	High	22.25
21013	Intersection of E 51st St and S Toledo Ave (south)	\$ 18,000.00	High	22.25
21015	Intersection of E 51st St and S Vandalia Ave (south)	\$ 14,000.00	High	22.25
21016	Intersection of E 51st St and S Braden Ave	\$ 13,000.00	High	22.25
21018	Intersection of E 51st St and S Hudson Ave	\$ 18,000.00	High	22.25
21019	Intersection of E 51st St and S Hudson Pl	\$ 10,000.00	High	22.25
Subtotal		\$ 865,000.00		
FY 2023-2024				
17037	Intersection of E 41st St and S Jamestown Ave	\$ 16,000.00	High	22.25
17017	Intersection of S Quincy Ave and E 41st St	\$ 6,000.00	High	22.25
21020	Intersection of S Irvington Ave and E 51st St	\$ 10,000.00	High	22.25
21029	Intersection of S 74th East Ave and E 51st St	\$ 11,000.00	High	22.25
21030	Intersection of S 75th East Ave and E 51st St	\$ 11,000.00	High	22.25
23024	Intersection of E 71st St and S 69th East Ave	\$ 33,000.00	High	22.25
23028	Intersection of E 71st St and S 78th East Ave	\$ 9,000.00	High	22.25
23030	Intersection of E 71st St and S 77th East Ave	\$ 15,000.00	High	22.25
28005	Intersection of E Admiral Pl and N Gillette Ave	\$ 7,000.00	High	22.25
28028	Intersection of E Admiral Pl and S 85th East Ave	\$ 10,000.00	High	22.25
28029	Intersection of E Admiral Pl and US 169 SB Entrance Ramp	\$ 8,000.00	High	22.25
29007	Intersection of E Apache St and N Garrison Pl	\$ 18,000.00	High	22.25
29026	Intersection of E Apache St and N Yorktown Pl	\$ 36,000.00	High	22.25

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
29032	Intersection of N Evanston Ave and E Apache St	\$ 14,000.00	High	22.25
29033	Intersection of E Apache St and N Florence Ave	\$ 15,000.00	High	22.25
31001	Intersection of E Independence St and N Cincinnati Ave	\$ 28,000.00	High	22.25
31010	Intersection of E Queen St and N Cincinnati Ave	\$ 32,000.00	High	22.25
31011	Intersection of N Cincinnati Ave and E Reading St	\$ 17,000.00	High	22.25
31012	Intersection of N Cincinnati Ave and E Seminole St	\$ 16,000.00	High	22.25
31013	Intersection of N Cincinnati Ave and E Seminole Pl	\$ 18,000.00	High	22.25
31019	Intersection of E Victoria St and N Cincinnati Ave	\$ 18,000.00	High	22.25
31038	Intersection of E 51st St N and N Cincinnati Ave East	\$ 17,000.00	High	22.25
33006	Intersection of S Garnett Rd and E 45th St	\$ 9,000.00	High	22.25
33007	Intersection of S Garnett Rd and E 43rd St	\$ 9,000.00	High	22.25
35009	Intersection of S Mingo Rd and E 58th St (east)	\$ 15,000.00	High	22.25
35028	Intersection of S Mingo Rd and E 42nd St	\$ 15,000.00	High	22.25
37033	Intersection of E Pine St and E Queen Pl	\$ 11,000.00	High	22.25
40001	Intersection of Southwest Blvd and S Xenophon Ave	\$ 14,000.00	High	22.25
41014	Intersection of S Yale Ave and S Zurich Ave	\$ 22,000.00	High	22.25
41017	Intersection of S Yale Ave and E 59th St	\$ 15,000.00	High	22.25
41018	Intersection of E 58th St and S Yale Ave	\$ 8,000.00	High	22.25
41019	Intersection of S Yale Ave and E 57th Pl	\$ 8,000.00	High	22.25
41020	Intersection of S Yale Ave and E 57th St	\$ 8,000.00	High	22.25
43043	Intersection of E 17th Pl and S Lewis Ave	\$ 34,000.00	High	22.25
43044	Intersection of S Lewis Ave and E 18th St	\$ 29,000.00	High	22.25
43082	Intersection of S Lewis Ave and E 49th St (east)	\$ 14,000.00	High	22.25
43085	Intersection of S Lewis Ave and 59th St	\$ 14,000.00	High	22.25
43092	Intersection of S Lewis Ave and E 82nd Pl	\$ 8,000.00	High	22.25
29006A	Intersection of E Apache St and N Garrison Ave (north)	\$ 25,000.00	High	22.25
44030A	Intersection of S Memorial Dr and E 37th St	\$ 22,000.00	High	22.25
39034	Intersection of E 28th St and S Sheridan Rd (west)	\$ 11,000.00	High	22.15
12055	Intersection of E 15th St and S 73rd East Ave	\$ 23,000.00	High	22.15
13006	Intersection of E 21st St and S Detroit Ave	\$ 36,000.00	High	22.15
11018	Intersection of S Birmingham Ave and E 11th St	\$ 16,000.00	High	22.00
11019	Intersection of E 11th St and S Birmingham Pl	\$ 17,000.00	High	22.00
11072	Intersection of S 119th East Ave and E 11th St	\$ 16,000.00	High	22.00
11073	Intersection of S 120th East Ave and E 11th St	\$ 8,000.00	High	22.00
12056	Intersection of E 15th St and S 74th East Ave	\$ 18,000.00	High	22.00
13004	Intersection of E 21st St and S Boston Ave	\$ 33,000.00	High	22.00
22027	Intersection of E 61st St and S 75th East Ave	\$ 16,000.00	High	22.00
31031	Intersection of N Cincinnati Ave and E 30th St N	\$ 17,000.00	High	22.00
28006	Intersection of E Admiral Pl and N Lewis Pl	\$ 9,000.00	High	22.00
Subtotal		\$ 865,000.00		
FY 2024-2025				
25003	Intersection of E 91st St and S Braden Ave	\$ 8,000.00	High	22.00
29012	Intersection of N Lansing Ave and E Apache St	\$ 18,000.00	High	22.00
31032	Intersection of N Cincinnati Ave and E 31st St N	\$ 18,000.00	High	22.00
34006	Intersection of E 49th St and S Harvard Ave	\$ 11,000.00	High	22.00
34009	Intersection of S Harvard Ave and E 46th St	\$ 14,000.00	High	22.00
35015	Intersection of S Mingo Rd and E 48th Pl	\$ 18,000.00	High	22.00
39017	Intersection of S Sheridan Rd and E 58th St	\$ 35,000.00	High	22.00
40013	Intersection of Southwest Blvd and W 12th St	\$ 10,000.00	High	22.00
36024	Intersection of S Peoria Ave and E 38th Pl	\$ 15,000.00	High	21.75
36025	Intersection of E 38th St and S Peoria Ave	\$ 28,000.00	High	21.75
11032	Intersection of E 11th St and S Louisville Ave	\$ 33,000.00	High	21.75
11033	Intersection of E 11th St and S New Haven Ave	\$ 26,000.00	High	21.75
11036	Intersection of S Richmond Ave and E 11th St	\$ 23,000.00	High	21.75
11037	Intersection of S Sandusky Ave and E 11th St	\$ 22,000.00	High	21.75
11038	Intersection of S Toledo Ave and E 11th St	\$ 36,000.00	High	21.75
11039	Intersection of E 11th St and S Urbana Ave	\$ 30,000.00	High	21.75
13002	Intersection of S Maybelle Ave and W 23rd St	\$ 31,000.00	High	21.75
13063	Intersection of E 21st St and S 125th East Ave (north)	\$ 18,000.00	High	21.75
15009	Intersection of S 70th East Ave and E 31st St	\$ 14,000.00	High	21.75
15025	Intersection of E 31st St and S 120th East Pl	\$ 15,000.00	High	21.75
15027	Intersection of E 31st St and S 124th East Ave (north)	\$ 11,000.00	High	21.75
15028	Intersection of E 31st St and S 124th East Ave (south)	\$ 15,000.00	High	21.75
17000	Intersection of W 41st St and S 34th West Ave	\$ 42,000.00	High	21.75
17001	Intersection of W 41st St and S 29th West Ave	\$ 10,000.00	High	21.75
17009	Intersection of W 41st St and US 75 SB Ramp	\$ 28,000.00	High	21.75
17024	Intersection of E 41st St and S Atlanta Ave	\$ 18,000.00	High	21.75
17025	Intersection of E 41st St and S Atlanta Pl	\$ 32,000.00	High	21.75
17026	Intersection of S Birmingham Ave and E 41st St	\$ 36,000.00	High	21.75
17027	Intersection of S Birmingham Pl and E 41st St	\$ 35,000.00	High	21.75
18000	Intersection of N Main St and E 46th St N	\$ 10,000.00	High	21.75
18001	Intersection of N Boston Ave and E 46th St N	\$ 8,000.00	High	21.75

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
19000	Intersection of S 33rd West Ave and W 59th St	\$ 11,000.00	High	21.75
19004	Intersection of S 33rd West Ave and W 53rd St (east)	\$ 17,000.00	High	21.75
19005	Intersection of S 33rd West Ave and W 53rd St (west)	\$ 11,000.00	High	21.75
21000	Intersection of S Atlanta Ave and E 51st St	\$ 17,000.00	High	21.75
21002	Intersection of S Birmingham Pl and E 51st St	\$ 18,000.00	High	21.75
21021	Intersection of E 51st St and S Joplin Ave	\$ 29,000.00	High	21.75
21035	Intersection of E 51st St and S 87th East Ave	\$ 16,000.00	High	21.75
22021	Intersection of E 61st St and S Maplewood Ave	\$ 11,000.00	High	21.75
23006	Intersection of E 71st St and S Birmingham Pl	\$ 28,000.00	High	21.75
23007	Intersection of E 71st St and S Birmingham Ct	\$ 10,000.00	High	21.75
28037	Intersection of S 71st East Ave and E Admiral Pl	\$ 10,000.00	High	21.75
28038	Intersection of S 72nd East Ave and E Admiral Pl	\$ 11,000.00	High	21.75
29023	Intersection of N Xanthus Ave and E Apache St	\$ 8,000.00	High	21.75
Subtotal		\$ 865,000.00		
FY 2025-2026				
29020	Intersection of N Utica Ave and E Apache St	\$ 17,000.00	High	21.75
29021	Intersection of E Apache St and N Wheeling Ave	\$ 26,000.00	High	21.75
29027	Intersection of E Apache St and US 75 SB Ramp	\$ 14,000.00	High	21.75
31000	Intersection of E Haskell Pl and N Cincinnati Ave	\$ 18,000.00	High	21.75
31040	Intersection of N Cincinnati Ave and E 52nd Pl N	\$ 16,000.00	High	21.75
33011	Intersection of S Garnett Rd and E 36th St	\$ 33,000.00	High	21.75
33012	Intersection of S Garnett Rd and E 34th St (west)	\$ 18,000.00	High	21.75
33013	Intersection of S Garnett Rd and E 34th St (east)	\$ 18,000.00	High	21.75
33023	Intersection of E 17th Pl and S Garnett Rd	\$ 18,000.00	High	21.75
34017	Intersection of S Harvard Ave and E 32nd Pl	\$ 18,000.00	High	21.75
34022	Intersection of E 28th St and S Harvard Ave	\$ 34,000.00	High	21.75
34028	Intersection of S Harvard Ave and E 22nd St	\$ 18,000.00	High	21.75
36037	Intersection of S Peoria Ave and E 30th St	\$ 28,000.00	High	21.75
36038	Intersection of E 29th Pl and S Peoria Ave	\$ 8,000.00	High	21.75
39082	Intersection of N Sheridan Rd and E Reading St	\$ 31,000.00	High	21.75
43016	Intersection of E Ute St and N Lewis Ave	\$ 34,000.00	High	21.75
43022	Intersection of N Lewis Ave and E Newton Pl	\$ 9,000.00	High	21.75
43023	Intersection of N Lewis Ave and E Newton St	\$ 26,000.00	High	21.75
43093	Intersection of E 91st St and S Lewis Ave	\$ 7,000.00	High	21.75
44019	Intersection of S Memorial Dr and E 58th St	\$ 14,000.00	High	21.75
44020	Intersection of S Memorial Dr and E 57th St	\$ 14,000.00	High	21.75
44021	Intersection of S 79th East Pl and S Memorial Dr	\$ 14,000.00	High	21.75
44026	Intersection of S Memorial Dr and E 48th St	\$ 14,000.00	High	21.75
46043	Intersection of S. Guthrie Ave. at W. 3rd St.	\$ 16,000.00	High	21.75
13063a	Intersection of E 21st St and S 125th East Ave (south)	\$ 18,000.00	High	21.75
43017A	Intersection of N Lewis Ave and E Tecumseh St	\$ 36,000.00	High	21.75
43021A	Intersection of N Lewis Ave and E Oklahoma St	\$ 19,000.00	High	21.75
1003	Intersection of E Pine St and N Frankfort Ave	\$ 16,000.00	High	21.65
1004	Intersection of E Pine St and N Frankfort Ave	\$ 15,000.00	High	21.65
3021	Intersection of S Utica Ave and E King St	\$ 26,000.00	High	21.65
31007	Intersection of N Cincinnati Ave and E Newton Pl	\$ 18,000.00	High	21.65
34053	Intersection of N Harvard Ave and E Ute St	\$ 16,000.00	High	21.65
34056	Intersection of N Harvard Ave and E Woodrow St	\$ 11,000.00	High	21.65
41044	Intersection of E 9th St and S Yale Ave	\$ 31,000.00	High	21.65
41059	Intersection of N Yale Ave and E Latimer St	\$ 19,000.00	High	21.65
1011	Intersection of E Pine St and N Norfolk Ave	\$ 22,000.00	High	21.55
2002	Intersection of S Peoria Ave and E 5th St	\$ 35,000.00	High	21.50
11058	Intersection of S 93rd East Ave and E 11th St	\$ 15,000.00	High	21.50
11067	Intersection of E 11th St and S 89th East Ave	\$ 28,000.00	High	21.50
11068	Intersection of E 11th St and S 91st East Ave	\$ 17,000.00	High	21.50
13000	Intersection of W 23rd St and S Phoenix Ave	\$ 18,000.00	High	21.50
21041	Intersection of E 51st St and S 109th East Ave	\$ 16,000.00	High	21.50
21042	Intersection of S 110th East Ave and E 51st St	\$ 11,000.00	High	21.50
25002	Intersection of E 91st St and S Toledo Ave	\$ 15,000.00	High	21.50
Subtotal		\$ 865,000.00		
FY 2026-2027				
22015	Intersection of S Richmond Ave and E 61st St	\$ 16,000.00	High	21.50
22030	Intersection of E 61st St and S 89th East Ave	\$ 18,000.00	High	21.50
22031	Intersection of E 61st St and S 90th East Ave	\$ 17,000.00	High	21.50
28013	Intersection of S Jamestown Ave and E Admiral Pl	\$ 27,000.00	High	21.50
29035	Intersection of E Apache St and N Norwood Ave	\$ 11,000.00	High	21.50
29036	Intersection of E Apache St and N Norwood Pl	\$ 18,000.00	High	21.50
31014	Intersection of N Cincinnati Ave and E Tecumseh St (east)	\$ 16,000.00	High	21.50
31042	Midblock crossing at N Cincinnati Ave (north of E 54th St N)	\$ 9,000.00	High	21.50
31043	Intersection of N Cincinnati Ave and E 55th St N	\$ 16,000.00	High	21.50
31045	Intersection of E 56th St N and N Cincinnati Ave	\$ 28,000.00	High	21.50
34007	Intersection of S Harvard Ave and E 55th St (east)	\$ 16,000.00	High	21.50

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
34049	Intersection of Dawson Rd and N Harvard Ave	\$ 33,000.00	High	21.50
34050	Intersection of E Queen St and N Harvard Ave	\$ 15,000.00	High	21.50
34051	Intersection of E Seminole St and N Harvard Ave	\$ 24,000.00	High	21.50
39015	Intersection of S Sheridan Rd and E 60th St (east)	\$ 16,000.00	High	21.50
39016	Intersection of S Sheridan Rd and E 60th St (west)	\$ 10,000.00	High	21.50
39062	Intersection of E 3rd St and S Sheridan Rd	\$ 11,000.00	High	21.50
39063	Intersection of S Sheridan Rd and E 2nd St	\$ 18,000.00	High	21.50
40004	Intersection of W 24th Pl and Southwest Blvd	\$ 16,000.00	High	21.50
41012	Intersection of S Yale Ave and E 73rd St	\$ 9,000.00	High	21.50
40007A	Intersection of Southwest Blvd and W 21st Pl	\$ 12,000.00	High	21.50
34062	Intersection of E 29th St N and N Harvard Ave	\$ 29,000.00	High	21.25
34063	Intersection of N Harvard Ave and E 30th St N	\$ 17,000.00	High	21.25
34064	Intersection of N Harvard Ave and Gilcrease Expy EB Ramp	\$ 36,000.00	High	21.25
34021	Intersection of E 29th St and S Harvard Ave	\$ 33,000.00	High	21.00
3015	Intersection of S Utica Ave and E Archer St	\$ 28,000.00	High	20.50
12037	Intersection of E 15th St and S Pittsburg Ave	\$ 9,000.00	High	20.50
12038	Intersection of E 15th St and S Quebec Ave	\$ 39,000.00	High	20.50
12039	Intersection of E 15th St and S Richmond Ave	\$ 9,000.00	High	20.50
33001	Intersection of S Garnett Rd and E 60th St	\$ 16,000.00	High	20.50
36014	Intersection of S Peoria Ave and E 48th St (west)	\$ 17,000.00	High	20.00
36027	Intersection of E 37th St and S Peoria Ave	\$ 8,000.00	High	20.00
36019	Intersection of S Peoria Ave and E 43rd Ct	\$ 16,000.00	High	20.00
36023	Intersection of S Peoria Ave and E 39th St	\$ 27,000.00	High	20.00
36033	Intersection of E 32nd St and S Peoria Ave	\$ 18,000.00	High	20.00
36034	Intersection of S Peoria Ave and E 31st Pl	\$ 15,000.00	High	20.00
36035	Intersection of S Peoria Ave and E 31st Ct	\$ 15,000.00	High	20.00
36019A	Intersection of E 43rd St and S Peoria Ave	\$ 17,000.00	High	20.00
36032A	Intersection of S Peoria Ave and E 32nd Pl	\$ 11,000.00	High	20.00
11034	Intersection of E 11th St and S Oswego Ave	\$ 11,000.00	High	20.00
11059	Intersection of S 74th East Ave and E 11th St	\$ 8,000.00	High	20.00
11060	Intersection of S 75th East Ave and E 11th St	\$ 8,000.00	High	20.00
11061	Intersection of S 76th East Ave and E 11th St	\$ 8,000.00	High	20.00
11062	Intersection of E 11th St and S 77th East Ave	\$ 8,000.00	High	20.00
11063	Intersection of S 79th East Ave and E 11th St	\$ 8,000.00	High	20.00
11064	Intersection of E 11th St and S 83rd East Ave	\$ 32,000.00	High	20.00
11065	Intersection of S 85th East Ave and E 11th St	\$ 29,000.00	High	20.00
12032	Intersection of S Knoxville Ave and E 15th St	\$ 23,000.00	High	20.00
13024	Intersection of E 21st St and S Gary Pl	\$ 14,000.00	High	20.00
Subtotal		\$ 865,000.00		
FY 2027-2028				
12033	Intersection of E 15th St and S Louisville Ave	\$ 24,000.00	High	20.00
12045	Intersection of E 15th St and S Canton Ave	\$ 17,000.00	High	20.00
12046	Intersection of E 15th St and S Darlington Ave	\$ 16,000.00	High	20.00
12048	Intersection of E 15th St and S Fulton Ave	\$ 9,000.00	High	20.00
12049	Intersection of E 15th St and S Joplin Ave	\$ 8,000.00	High	20.00
13018	Intersection of E 21st St and S Birmingham Ave	\$ 16,000.00	High	20.00
13021	Intersection of S Florence Ave and E 21st St	\$ 20,000.00	High	20.00
13022	Intersection of E 21st St and S Florence Pl	\$ 24,000.00	High	20.00
13023	Intersection of E 21st St and S Gary Ave	\$ 9,000.00	High	20.00
13025	Intersection of E 21st St and S Indianapolis Ave	\$ 16,000.00	High	20.00
13026	Intersection of E 21st St and S Jamestown Ave (south)	\$ 17,000.00	High	20.00
13027	Intersection of E 21st St and S Jamestown Ave (north)	\$ 26,000.00	High	20.00
13028	Intersection of E 21st St and S Knoxville Ave	\$ 10,000.00	High	20.00
13029	Intersection of E 21st St and S Louisville Ave (south)	\$ 11,000.00	High	20.00
13030	Intersection of E 21st St and S Louisville Ave (north)	\$ 6,000.00	High	20.00
13031	Intersection of E 21st St and S Marion Ave	\$ 15,000.00	High	20.00
13044	Intersection of E 21st St South and S 77th East Ave	\$ 9,000.00	High	20.00
13045	Intersection of S 79th East Ave and E 21st St	\$ 23,000.00	High	20.00
13051	Intersection of E 21st St and S 99th East Ave	\$ 25,000.00	High	20.00
13058	Intersection of E 21st St and S 116th East Ave	\$ 18,000.00	High	20.00
13059	Intersection of S 117th East Ave and E 21st St	\$ 17,000.00	High	20.00
15002	Intersection of S Louisville Ave and E 31st St	\$ 22,000.00	High	20.00
15003	Intersection of E 31st St and S Winston Ave	\$ 14,000.00	High	20.00
15008	Intersection of E 31st St and S 66th East Pl	\$ 15,000.00	High	20.00
15012	Intersection of S 77th East Ave and E 31st St	\$ 15,000.00	High	20.00
15014	Intersection of E 31st St and S 87th East Ave	\$ 18,000.00	High	20.00
15024	Intersection of E 31st St and S 116th East Ave (north)	\$ 15,000.00	High	20.00
15026	Intersection of S 121st East Ave and E 31st St	\$ 24,000.00	High	20.00
17002	Intersection of S 25th West Ave and W 41st St	\$ 28,000.00	High	20.00
17010	Intersection of W 41st St and US 75 NB Ramp	\$ 15,000.00	High	20.00
17015	Intersection of S Norfolk Ave and E 41st St	\$ 17,000.00	High	20.00
17016	Intersection of E 41st St and S Owasso Ave	\$ 8,000.00	High	20.00

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
17020	Intersection of E 41st St and S Trenton Ave	\$ 5,000.00	High	20.00
17021	Intersection of E 41st St and S Troost Ave	\$ 16,000.00	High	20.00
17022	Intersection of E 41st St and S Xanthus Ave	\$ 11,000.00	High	20.00
17023	Intersection of S Yorktown Ave and E 41st St	\$ 9,000.00	High	20.00
17051	Intersection of E 41st St and SH 51 Entrance EB Ramp	\$ 16,000.00	High	20.00
18002	Intersection of E 46th St N and N Cincinnati Pl	\$ 15,000.00	High	20.00
18003	Intersection of E 46th St N and N Detroit Ave	\$ 10,000.00	High	20.00
19002	Intersection of S 33rd West Ave and W 57th St	\$ 32,000.00	High	20.00
19003	Intersection of S 33rd West Ave and W 56th St	\$ 9,000.00	High	20.00
19009	Intersection of S 33rd West Ave and W 48th St	\$ 53,000.00	High	20.00
21001	Intersection of S Atlanta Pl and E 51st St	\$ 16,000.00	High	20.00
21010	Intersection of S Oswego Ave and E 51st St	\$ 7,000.00	High	20.00
21024	Intersection of E 51st St and S 67th East Ave	\$ 22,000.00	High	20.00
21025	Intersection of S 67th East Pl and E 51st St	\$ 17,000.00	High	20.00
21026	Intersection of E 51st St and S 68th East Ave	\$ 9,000.00	High	20.00
21027	Intersection of E 51st St and S 70th East Pl	\$ 18,000.00	High	20.00
21028	Intersection of E 51st St and S 72nd East Ave	\$ 12,000.00	High	20.00
21036	Intersection of E 51st St and S 90th East Ave	\$ 18,000.00	High	20.00
22019	Intersection of S Kingston Ave and E 61st St	\$ 23,000.00	High	20.00
28033	Intersection of E Admiral Pl and N 68th East Ave (south)	\$ 11,000.00	High	20.00
28034	Intersection of E Admiral Pl and N 68th East Ave (north)	\$ 9,000.00	High	20.00
Subtotal		\$ 865,000.00		
FY 2028-2029				
34024	Intersection of E 26th St and S Harvard Ave	\$ 14,000.00	High	20.00
22020	Intersection of E 61st St and S Lakewood Ave	\$ 17,000.00	High	20.00
22022	Intersection of E 61st St and S 66th East Ave	\$ 18,000.00	High	20.00
23003	Intersection of E 71st St and S Utica Ave	\$ 18,000.00	High	20.00
23008	Intersection of E 71st St and S Columbia Ave	\$ 18,000.00	High	20.00
23016	Intersection of E 71st St and S Louisville Ave	\$ 24,000.00	High	20.00
23018	Intersection of E 71st St and S Braden Ave	\$ 32,000.00	High	20.00
23025	Intersection of E 71st St and S 70th East Ave	\$ 24,000.00	High	20.00
28022	Intersection of E Admiral Pl and N Urbana Ave	\$ 16,000.00	High	20.00
28032	Intersection of S 67th East Ave and E Admiral Pl	\$ 19,000.00	High	20.00
28035	Intersection of S 69th East Ave and E Admiral Pl	\$ 10,000.00	High	20.00
28036	Intersection of S 70th East Ave and E Admiral Pl	\$ 11,000.00	High	20.00
28040	Intersection of S 78th East Ave and E Admiral Pl	\$ 10,000.00	High	20.00
29017	Intersection of N Quincy Ave and E Apache St	\$ 25,000.00	High	20.00
29018	Intersection of N Rockford Ave and E Apache St	\$ 32,000.00	High	20.00
29019	Intersection of N St Louis Ave and E Apache St	\$ 32,000.00	High	20.00
29024	Intersection of N Xanthus Pl and E Apache St	\$ 8,000.00	High	20.00
29025	Intersection of E Apache St and N Yorktown Ave	\$ 18,000.00	High	20.00
29028	Intersection of E Apache St and US 75 NB Ramp	\$ 16,000.00	High	20.00
29038	Intersection of E Apache St and N New Haven Ave	\$ 15,000.00	High	20.00
31005	Intersection of E Marshall St and N Cincinnati Ave	\$ 32,000.00	High	20.00
31006	Intersection of E Newton St and N Cincinnati Ave	\$ 17,000.00	High	20.00
31020	Intersection of E Woodrow Pl and N Cincinnati Ave	\$ 18,000.00	High	20.00
31022	Intersection of N Cincinnati Ave and E Xyler St (west)	\$ 18,000.00	High	20.00
31023	Intersection of N Cincinnati Ave and E Xyler St (east)	\$ 17,000.00	High	20.00
31024	Intersection of N Cincinnati Ave and E Young St	\$ 17,000.00	High	20.00
31025	Intersection of E Zion St and N Cincinnati Ave	\$ 33,000.00	High	20.00
32006	Intersection of W Edison St and N Union Ave	\$ 17,000.00	High	20.00
32008	Intersection of W Edison St and N Union Pl	\$ 22,000.00	High	20.00
32010	Intersection of W Edison St and N Waco Ave	\$ 8,000.00	High	20.00
33008	Intersection of S Garnett Rd and E 39th St	\$ 18,000.00	High	20.00
33009	Intersection of S Garnett Rd and E 38th St	\$ 15,000.00	High	20.00
33014	Intersection of S Garnett Rd and E 27th St (west)	\$ 10,000.00	High	20.00
33026	Intersection of S Garnett Rd and E 14th St	\$ 36,000.00	High	20.00
34018	Intersection of S Harvard Ave and E 32nd St	\$ 15,000.00	High	20.00
35006	Intersection of S Mingo Rd and E 63rd St	\$ 15,000.00	High	20.00
35007	Intersection of S Mingo Rd and E 62nd St	\$ 14,000.00	High	20.00
36007	Intersection of S Peoria Ave and E 60th St	\$ 17,000.00	High	20.00
36039	Intersection of S Peoria Ave and E 29th St (east)	\$ 17,000.00	High	20.00
36040	Intersection of S Peoria Ave and E 29th St (west)	\$ 8,000.00	High	20.00
36041	Intersection of S Peoria Ave and E 28th St	\$ 8,000.00	High	20.00
36047	Intersection of S Peoria Ave and E 26th St (west)	\$ 8,000.00	High	20.00
36048	Intersection of S Peoria Ave and E 26th St (east)	\$ 10,000.00	High	20.00
36050	Intersection of S Peoria Ave and E 25th St (east)	\$ 16,000.00	High	20.00
36051	Intersection of S Peoria Ave and E 24th Pl	\$ 8,000.00	High	20.00
37027	Intersection of N St Louis Ave and E Pine St	\$ 10,000.00	High	20.00
37028	Intersection of N Troost Ave and E Pine St	\$ 11,000.00	High	20.00
37029	Intersection of E Pine St and N Wheeling Ave (north)	\$ 18,000.00	High	20.00
37030	Intersection of E Pine St and N Wheeling Ave (south)	\$ 11,000.00	High	20.00

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
37031	Intersection of E Pine St and N Xanthus Ave	\$ 11,000.00	High	20.00
44007	Intersection of S Memorial Dr and E 77th St	\$ 14,000.00	High	20.00
Subtotal		\$ 866,000.00		
FY 2029-2030				
37032	Intersection of N Yorktown Ave and E Pine St	\$ 26,000.00	High	20.00
37041	Intersection of N Birmingham Pl and E Pine St	\$ 36,000.00	High	20.00
37042	Intersection of E Pine St and N Columbia Ave	\$ 35,000.00	High	20.00
37047	Intersection of N Evanston Pl and E Pine St	\$ 32,000.00	High	20.00
37048	Intersection of N College Ave and E Pine St	\$ 44,000.00	High	20.00
37049	Intersection of E Pine St and N Florence Ave	\$ 18,000.00	High	20.00
37050	Intersection of E Pine St and N Florence Pl	\$ 16,000.00	High	20.00
37054	Intersection of N Knoxville Ave and E Pine St	\$ 29,000.00	High	20.00
37055	Intersection of E Pine St and N Louisville Ave	\$ 16,000.00	High	20.00
37057	Intersection of N Oswego Ave and E Pine St	\$ 16,000.00	High	20.00
37061	Intersection of N Kingston Ave and E Pine St	\$ 32,000.00	High	20.00
37062	Intersection of N Kingston Pl and E Pine St	\$ 40,000.00	High	20.00
38006	Intersection of Riverside Dr and S Houston Ave	\$ 18,000.00	High	20.00
39023	Intersection of S Sheridan Rd and E 48th St (west)	\$ 8,000.00	High	20.00
39024	Intersection of S Sheridan Rd and E 48th St (east)	\$ 15,000.00	High	20.00
39026	Intersection of E 46th St and S Sheridan Rd	\$ 18,000.00	High	20.00
39027	Intersection of S Sheridan Rd and E 44th St	\$ 9,000.00	High	20.00
39028	Intersection of S Sheridan Rd and E 42nd St	\$ 9,000.00	High	20.00
39029	Intersection of S Sheridan Rd and E 40th St	\$ 18,000.00	High	20.00
39083	Intersection of N Sheridan Rd and E Tecumseh St	\$ 7,000.00	High	20.00
43039	Intersection of S Lewis Ave and E 12th Pl	\$ 15,000.00	High	20.00
43040	Intersection of S Lewis Ave and E 13th St	\$ 19,000.00	High	20.00
43041	Intersection of E 13th Pl and S Lewis Ave	\$ 36,000.00	High	20.00
43045	Intersection of S Lewis Ave and E 19th St	\$ 37,000.00	High	20.00
43074	Intersection of S Lewis Ave and E 44th St	\$ 15,000.00	High	20.00
43075	Intersection of S Lewis Ave and E 45th St	\$ 15,000.00	High	20.00
43076	Intersection of E 45th Pl and S Lewis Ave	\$ 9,000.00	High	20.00
43078	Intersection of S Lewis Ave and E 46th Pl	\$ 18,000.00	High	20.00
43079	Intersection of E 47th St and S Lewis Ave	\$ 29,000.00	High	20.00
43080	Intersection of S Lewis Ave and E 47th Pl	\$ 18,000.00	High	20.00
44013	Intersection of S Memorial Dr and E 65th St	\$ 9,000.00	High	20.00
44018	Intersection of S Memorial Dr and E 58th Pl	\$ 14,000.00	High	20.00
44022	Intersection of E 55th St and S Memorial Dr	\$ 14,000.00	High	20.00
44024	Intersection of S Memorial Dr and E 49th St (east)	\$ 14,000.00	High	20.00
44025	Intersection of S Memorial Dr and E 49th St (west)	\$ 14,000.00	High	20.00
44027	Intersection of E 46th Pl and S Memorial Dr	\$ 21,000.00	High	20.00
44030	Intersection of E 40th St and S Memorial Dr	\$ 14,000.00	High	20.00
44032	Intersection of S Memorial Dr and E 31st Pl	\$ 8,000.00	High	20.00
44033	Intersection of S Memorial Dr and I-44 EB Entrance Ramp	\$ 6,000.00	High	20.00
44035	Intersection of S Memorial Dr and E 19th St	\$ 8,000.00	High	20.00
44036	Intersection of S Memorial Dr and E 9th St	\$ 8,000.00	High	20.00
17021a	Intersection of S Troost Pl and E 41st St	\$ 8,000.00	High	20.00
17022a	Intersection of S Victor Ave and E 41st St	\$ 8,000.00	High	20.00
17022b	Intersection of E 41st St and S Victor Ct	\$ 8,000.00	High	20.00
17022c	Intersection of S Wheeling Ave and E 41st St	\$ 8,000.00	High	20.00
17023B	Intersection of S Yorktown Pl and E 41st St	\$ 8,000.00	High	20.00
29033A	Intersection of E Apache St and N Urbana Ave	\$ 15,000.00	High	20.00
37027b	Intersection of E Pine St and N Trenton Ave	\$ 18,000.00	High	20.00
12052	Intersection of E 15th St and S 69th East Ave (south)	\$ 8,000.00	High	19.90
Subtotal		\$ 864,000.00		
FY 2030-2031				
44030B	Intersection of S Memorial Dr and E 32nd St	\$ 14,000.00	High	20.00
1001	Intersection of N Elgin Ave and E Pine St	\$ 17,000.00	High	19.90
1002	Intersection of E Pine St and N Elgin Ave	\$ 17,000.00	High	19.90
3017	Intersection of S Utica Ave and E Haskell St (east)	\$ 12,000.00	High	19.90
3025	Intersection of S Utica Ave and E Latimer Ct	\$ 18,000.00	High	19.90
11069	Intersection of E 11th St and S 95th East Ave	\$ 16,000.00	High	19.90
12023	Intersection of S Delaware Pl and E 15th St	\$ 33,000.00	High	19.90
13008	Intersection of E 21st St and S Norfolk Ave	\$ 32,000.00	High	19.90
28011	Intersection of N Gary Ave and E Admiral Pl	\$ 28,000.00	High	19.90
35023	Intersection of S 101st East Ave and E 22nd St	\$ 18,000.00	High	19.90
35024	Intersection of S 101st East Ave and E 21st Pl (west)	\$ 14,000.00	High	19.90
37014	Intersection of N Boston Pl and E Pine St	\$ 20,000.00	High	19.90
37064	Intersection of E Pine St and N Norwood Ave	\$ 16,000.00	High	19.90
39035	Intersection of E 28th St and S Sheridan Rd (east)	\$ 15,000.00	High	19.90
39041	Intersection of S Sheridan Rd and E 25th Pl (east)	\$ 10,000.00	High	19.90
39050	Intersection of E 12th St and S Sheridan Rd	\$ 17,000.00	High	19.90
39059	Intersection of E 4th Ter and S Sheridan Rd	\$ 10,000.00	High	19.90

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
39069	Intersection of E King Pl and N Sheridan Rd	\$ 18,000.00	High	19.90
39079	Intersection of E Oklahoma Pl and N Sheridan Rd	\$ 15,000.00	High	19.90
41061	Intersection of E Marshall St and N Yale Ave	\$ 18,000.00	High	19.90
39058A	Intersection of S Sheridan Rd and E 5th St (east)	\$ 13,000.00	High	19.90
39065A	Intersection of N Sheridan Rd and E Easton St	\$ 26,000.00	High	19.90
2005	Intersection of S Peoria Ave and E 8th St	\$ 28,000.00	High	19.75
3004	Intersection of S Utica Ave and E 7th St	\$ 23,000.00	High	19.75
3014	Intersection of S Utica Ave and E Admiral Pl	\$ 9,000.00	High	19.75
11026	Midblock Crossing at E 11th St (west of S Gary Ave)	\$ 9,000.00	High	19.75
11066	Intersection of S 87th East Ave and E 11th St	\$ 31,000.00	High	19.75
11074	Intersection of E 11th St and S 123rd East Ave	\$ 18,000.00	High	19.75
11075	Intersection of E 11th St and S 124th East Ave	\$ 6,000.00	High	19.75
12057	Intersection of E 15th St and S 75th East Ave	\$ 26,000.00	High	19.75
13009	Intersection of E 21st St and S Owasso Ave	\$ 32,000.00	High	19.75
13010	Intersection of E 21st St and E Woodwardpark Dr	\$ 17,000.00	High	19.75
13011	Intersection of E 21st St and Terwilliger Blvd	\$ 18,000.00	High	19.75
13012	Intersection of S Rockford Ave and E 21st St	\$ 18,000.00	High	19.75
13013	Intersection of E 21st St and S St Louis Ave	\$ 28,000.00	High	19.75
15004	Intersection of E 31st St and S Darlington Ave	\$ 21,000.00	High	19.75
21014	Intersection of E 51st St and S Vandalia Ave (north)	\$ 17,000.00	High	19.75
21017	Intersection of E 51st St and S Fulton Ave	\$ 17,000.00	High	19.75
21038	Intersection of S 100th East Ave and E 51st St	\$ 10,000.00	High	19.75
21039	Intersection of E 51st St and S 101st East Ave	\$ 11,000.00	High	19.75
21040	Intersection of E 51st St and S 103rd East Ave	\$ 29,000.00	High	19.75
21043	Intersection of E 51st St and SH 51 WB Entrance Ramp	\$ 8,000.00	High	19.75
22016	Intersection of E 61st St and S Urbana Ave	\$ 16,000.00	High	19.75
22033	Intersection of E 61st St and S 99th East Ave (north)	\$ 15,000.00	High	19.75
22034	Intersection of E 61st St and S 99th East Ave (south)	\$ 17,000.00	High	19.75
22035	Intersection of E 61st St and S 100th East Ave	\$ 15,000.00	High	19.75
22036	Intersection of E 61st St South and S 104th East Ave	\$ 8,000.00	High	19.75
22037	Intersection of E 61st St and S 116th East Ave	\$ 9,000.00	High	19.75
27002	Intersection of S Trenton Ave and E 1st St	\$ 12,000.00	High	19.75
		Subtotal	\$ 865,000.00	
FY 2031-2032				
22038	Intersection of E 61st St and E 91st St	\$ 10,000.00	High	19.75
22039	Intersection of E 61st St South and N Yellowood Ave	\$ 9,000.00	High	19.75
23004	Intersection of E 71st St and S Yorktown Ave	\$ 22,000.00	High	19.75
24002	Intersection of E 81st St and S Evanston Ave (south)	\$ 15,000.00	High	19.75
24009	Intersection of E 81st St and S 84th East Ave	\$ 14,000.00	High	19.75
26024	Intersection of S 129th East Ave and E 45th St	\$ 24,000.00	High	19.75
28000	Intersection of E Admiral Pl and N Victor Ave	\$ 10,000.00	High	19.75
28004	Intersection of E Admiral Pl and N Zunis Ave	\$ 14,000.00	High	19.75
28007	Intersection of E Admiral Pl and N Atlanta Ave	\$ 13,000.00	High	19.75
29037	Intersection of E Apache St and N Oxford Ave	\$ 11,000.00	High	19.75
31037	Intersection of E 49th St N and N Cincinnati Ave	\$ 22,000.00	High	19.75
31044	Midblock Crossing at N Cincinnati Ave (south of E 56th St N)	\$ 11,000.00	High	19.75
32000	Intersection of N Frisco Ave and W Edison St	\$ 14,000.00	High	19.75
32001	Intersection of W Edison St and N Guthrie Ave	\$ 14,000.00	High	19.75
32002	Intersection of N Maybelle Ave and W Edison St	\$ 38,000.00	High	19.75
32004	Intersection of N Rosedale Ave and W Edison St	\$ 16,000.00	High	19.75
32011	Intersection of W Edison St and N Xenophon Ave	\$ 25,000.00	High	19.75
32018	Intersection of W Edison St and N 29th West Ave (north)	\$ 18,000.00	High	19.75
32019	Intersection of W Edison St and N 29th West Ave (south)	\$ 18,000.00	High	19.75
32020	Intersection of W Edison St and N 31st West Ave	\$ 18,000.00	High	19.75
33015	Intersection of S Garnett Rd and E 27th St (east)	\$ 15,000.00	High	19.75
33035	Intersection of N Garnett Rd and E Archer St	\$ 15,000.00	High	19.75
34000	Intersection of S Harvard Ave and E 90th St	\$ 17,000.00	High	19.75
34001	Intersection of S Harvard Ave and 150' north of 90th St S	\$ 22,000.00	High	19.75
34002	Intersection of S Harvard Ave and E 88th St	\$ 15,000.00	High	19.75
34046	Intersection of N Harvard Ave and E Latimer Pl	\$ 18,000.00	High	19.75
34047	Intersection of N Harvard Ave and E Marshall St	\$ 14,000.00	High	19.75
34048	Intersection of N Harvard Ave and E Newton St	\$ 18,000.00	High	19.75
34060	Intersection of N Harvard Ave and E Xyler St (east)	\$ 10,000.00	High	19.75
34061	Intersection of E Young St and N Harvard Ave	\$ 18,000.00	High	19.75
35000	Intersection of S Mingo Rd and US 169 EB Exit Ramp	\$ 16,000.00	High	19.75
35004	Intersection of S Mingo Rd and E 78th St	\$ 14,000.00	High	19.75
35012	Intersection of S Mingo Rd and E 55th St	\$ 15,000.00	High	19.75
35016	Intersection of S Mingo Rd and E 46th Pl	\$ 11,000.00	High	19.75
35017	Intersection of S 101st East Ave and E 25th St (west)	\$ 14,000.00	High	19.75
35018	Intersection of S 101st East Ave and E 25th St (east)	\$ 15,000.00	High	19.75
35026	Intersection of S Mingo Rd and E 45th Pl	\$ 11,000.00	High	19.75
35027	Intersection of S Mingo Rd and E 44th Pl	\$ 11,000.00	High	19.75

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
35030	Midblock Crossing at S Mingo Rd (north of E 34th St)	\$ 7,000.00	High	19.75
35040	Intersection of S 101st East Ave and E 26th St (east)	\$ 15,000.00	High	19.75
35041	Intersection of S 101st East Ave and E 26th St (west)	\$ 14,000.00	High	19.75
36061	Intersection of N Peoria Ave and E Independence St (east)	\$ 16,000.00	High	19.75
36062	Intersection of N Peoria Ave and E Independence St (west)	\$ 15,000.00	High	19.75
36065	Intersection of N Peoria Ave and E King Pl	\$ 15,000.00	High	19.75
36083	Intersection of N Peoria Ave and E 33rd St N	\$ 16,000.00	High	19.75
36084	Intersection of N Peoria Ave and E 38th St N	\$ 11,000.00	High	19.75
38001	Intersection of Riverside Dr and E 67th St	\$ 8,000.00	High	19.75
39031	Intersection of S Sheridan Rd and E 36th St	\$ 9,000.00	High	19.75
40000	Intersection of Southwest Blvd and S Yukon Ave	\$ 15,000.00	High	19.75
40003	Intersection of Southwest Blvd and W 35th St	\$ 14,000.00	High	19.75
41004	Intersection of S Yale Ave and E 89th St	\$ 24,000.00	High	19.75
43003	Intersection of E 48th St N and N Lewis Ave	\$ 16,000.00	High	19.75
43004	Intersection of N Lewis Ave and E 47th Pl N	\$ 8,000.00	High	19.75
46082	Intersection of S. Cincinnati Overpass at E. 15th St.	\$ 19,000.00	High	19.75
46083	Intersection of S. Madison Ave. at E. 15th St.	\$ 12,000.00	High	19.75
35041A	Midblock Crossing at S 101st East Ave (north of E 26th St)	\$ 7,000.00	High	19.75
31033	Intersection of N Cincinnati Ave and E 35th St N (south)	\$ 19,000.00	High	19.25
Subtotal		\$ 865,000.00		
FY 2032-2033				
26001A	Intersection of S 129th East Ave and E 4th Pl	\$ 18,000.00	High	19.50
36026	Intersection of E 37th Pl and S Peoria Ave	\$ 21,000.00	High	19.25
2001	Intersection of S Peoria Ave and E 4th St	\$ 23,000.00	High	19.25
3023	Intersection of S Utica Ave and E Latimer St	\$ 15,000.00	High	19.25
11035	Intersection of S Quebec Ave and E 11th St	\$ 29,000.00	High	19.25
19001	Intersection of S 33rd West Ave and W 58th St	\$ 17,000.00	High	19.25
22013	Intersection of E 61st St and S Oswego Ave	\$ 23,000.00	High	19.25
22014	Intersection of E 61st St and S Pittsburg Ave	\$ 9,000.00	High	19.25
26006	Intersection of S 129th East Ave and E 15th St	\$ 18,000.00	High	19.25
26009	Intersection of S 129th East Ave and E 18th St	\$ 28,000.00	High	19.25
28014	Intersection of S Knoxville Ave and E Admiral Pl	\$ 14,000.00	High	19.25
28015	Intersection of E Admiral Pl and N Knoxville Ave	\$ 14,000.00	High	19.25
31034	Intersection of N Cincinnati Ave and E 35th St N (north)	\$ 15,000.00	High	19.25
34014	Intersection of S Harvard Ave and E 35th St	\$ 17,000.00	High	19.25
34015	Intersection of S Harvard Ave and E 33rd St (east)	\$ 18,000.00	High	19.25
34016	Intersection of S Harvard Ave and E 33rd St (west)	\$ 15,000.00	High	19.25
34042	Intersection of N Harvard Ave and E Jasper St	\$ 18,000.00	High	19.25
34043	Intersection of N Harvard Ave and E King St	\$ 18,000.00	High	19.25
34044	Intersection of N Harvard Ave and E King Pl	\$ 18,000.00	High	19.25
34045	Intersection of E Latimer St and N Harvard Ave	\$ 35,000.00	High	19.25
34057	Intersection of N Harvard Ave and E Woodrow Pl (west)	\$ 11,000.00	High	19.25
34058	Intersection of N Harvard Ave and E Woodrow Pl (east)	\$ 18,000.00	High	19.25
36004	Intersection of S Peoria Ave and E 64th St (west)	\$ 15,000.00	High	19.25
39002	Intersection of S Sheridan Rd and E 78th St	\$ 17,000.00	High	19.25
39009	Intersection of S Sheridan Rd and E 69th St	\$ 9,000.00	High	19.25
39010	Intersection of S Sheridan Rd and E 67th Pl (west)	\$ 11,000.00	High	19.25
39011	Intersection of S Sheridan Rd and E 67th St (east)	\$ 17,000.00	High	19.25
39060	Intersection of S Sheridan Rd and E 4th St (west)	\$ 17,000.00	High	19.25
39061	Intersection of S Sheridan Rd and E 4th St (east)	\$ 11,000.00	High	19.25
41010	Intersection of S Yale Ave and E 75th St	\$ 17,000.00	High	19.25
41011	Intersection of S Yale Ave and E 74th St	\$ 20,000.00	High	19.25
41048	Intersection of E 5th Pl and S Yale Ave	\$ 29,000.00	High	19.25
41049	Intersection of E 5th St and S Yale Ave	\$ 14,000.00	High	19.25
43009	Intersection of E 29th Pl N and N Lewis Ave	\$ 36,000.00	High	19.25
43010	Intersection of E 29th St N and N Lewis Ave	\$ 30,000.00	High	19.25
43011	Intersection of N Lewis Ave and E 28th St N	\$ 28,000.00	High	19.25
43012	Intersection of N Lewis Ave and E 27th St N	\$ 14,000.00	High	19.25
43013	Intersection of N Lewis Ave and E 26th Pl N	\$ 14,000.00	High	19.25
44009	Intersection of S Memorial Dr and E 75th St	\$ 14,000.00	High	19.25
44010	Intersection of S Memorial Dr and E 74th Pl	\$ 21,000.00	High	19.25
22000	Intersection of W 61st St and S 32nd West Ave	\$ 16,000.00	High	19.00
22001	Intersection of W 61st St and S 31st West Ave	\$ 8,000.00	High	19.00
30010	Intersection of S 43rd West Ave and W Charles Page Blvd	\$ 23,000.00	High	19.00
31030	Intersection of N Cincinnati Ave and E 29th St N	\$ 18,000.00	High	19.00
32023	Intersection of W Edison St and N 39th West Ave (south)	\$ 14,000.00	High	19.00
32025	Intersection of W Edison St and N 41st West Ave (south)	\$ 14,000.00	High	19.00
32023A	Intersection of W Edison St and N 39th West Ave (north)	\$ 16,000.00	High	19.00
3028	Intersection of S Utica Ave and E Newton St	\$ 10,000.00	High	17.50
Subtotal		\$ 865,000.00		

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
FY 2033-2034				
46010	Intersection of N. Elgin Ave. at E. Easton St.	\$ 30,000.00	High	18.75
46037	Intersection of S. Frisco Ave. at W. 2nd St.	\$ 14,000.00	High	18.50
36052	Intersection of S Peoria Ave and E 24th St	\$ 8,000.00	High	17.75
46013	Intersection of N. Cheyenne Ave. at W. Cameron St.	\$ 56,000.00	High	17.75
46025	Intersection of N. Detroit Ave. at E. Brady St.	\$ 34,000.00	High	17.75
46026	Intersection of N. Elgin Ave. at E. Brady St.	\$ 5,000.00	High	17.75
46029	Intersection of N. Elgin Ave. at E. Archer St.	\$ 16,000.00	High	17.75
46036	Intersection of S. Guthrie Ave. at W. 2nd St.	\$ 20,000.00	High	17.75
46053	Intersection of S. Elwood Ave. at W. 6th St.	\$ 45,000.00	High	17.75
46056	Intersection of S. Frisco Ave. at W. 7th St.	\$ 45,000.00	High	17.75
46057	Intersection of S. Elwood Ave. at W. 8th St.	\$ 47,000.00	High	17.75
46063	Intersection of S. Elgin Ave. at E. 9th St.	\$ 57,000.00	High	17.75
36020	Intersection of S Peoria Ave and E 42nd Pl	\$ 18,000.00	High	17.50
36021	Intersection of E 42nd St and S Peoria Ave	\$ 24,000.00	High	17.50
3003	Intersection of E 5th St and S Utica Ave	\$ 32,000.00	High	17.50
3016	Intersection of S Utica Ave and E Easton St	\$ 15,000.00	High	17.50
3024	Intersection of S Utica Ave and E Latimer Pl	\$ 18,000.00	High	17.50
3030	Intersection of S Utica Ave and E Oklahoma St	\$ 38,000.00	High	17.50
9000	Intersection of S 129th East Ave and E 21st Pl	\$ 11,000.00	High	17.50
12047	Intersection of E 15th St and S Erie Ave	\$ 10,000.00	High	17.50
12058	Intersection of E 15th St and S 76th East Ave	\$ 18,000.00	High	17.50
12059	Intersection of E 15th St and S 77th East Ave	\$ 8,000.00	High	17.50
13019	Intersection of E 21st St and S Evanston Ave	\$ 9,000.00	High	17.50
13020	Intersection of E 21st St and S College Ave	\$ 10,000.00	High	17.50
13065	Intersection of E 21st St and S 131st East Ave	\$ 18,000.00	High	17.50
13066	Intersection of E 21st St and S 133rd East Ave	\$ 9,000.00	High	17.50
14000	Intersection of N 25th West Ave and W Easton St	\$ 45,000.00	High	17.50
15001	Intersection of E 31st St and S Jamestown Ave	\$ 25,000.00	High	17.50
15011	Intersection of E 31st St and Service Rd (west of S 74th East Ave)	\$ 15,000.00	High	17.50
18009	Intersection of E 46th St N and N Iroquois Ave	\$ 8,000.00	High	17.50
18010	Intersection of E 46th St N and N Kenosha Ave	\$ 14,000.00	High	17.50
19010	Intersection of S 33rd West Ave and I-244 EB Exit Ramp	\$ 8,000.00	High	17.50
19011	Intersection of S 33rd West Ave and I-244 WB Entrance Ramp	\$ 14,000.00	High	17.50
19012	Intersection of S 33rd West Ave and I-244 EB Entrance Ramp	\$ 14,000.00	High	17.50
21033	Intersection of E 51st St and S 94th East Ave	\$ 18,000.00	High	17.50
21037	Intersection of E 51st St and S 94th East Ave	\$ 11,000.00	High	17.50
22003	Intersection of S 29th West Ave and W 61st St	\$ 7,000.00	High	17.50
22008	Intersection of S Gary Ave and E 61st St	\$ 9,000.00	High	17.50
22009	Intersection of E 61st St and S Jamestown Ave	\$ 9,000.00	High	17.50
22010	Intersection of E 61st St and S Knoxville Ave	\$ 15,000.00	High	17.50
22011	Intersection of S Louisville Ave and E 61st St	\$ 15,000.00	High	17.50
22012	Intersection of E 61st St and S Marion Pl	\$ 15,000.00	High	17.50
23005	Intersection of E 71st St and S Atlanta Ave	\$ 8,000.00	High	17.50
Subtotal		\$ 865,000.00		
FY 2034-2035				
3031	Intersection of S Utica Ave and E Oklahoma Pl	\$ 34,000.00	High	17.50
22023	Intersection of E 61st St and E 60th Pl (west)	\$ 17,000.00	High	17.50
22024	Intersection of E 61st St and E 60th Pl (east)	\$ 16,000.00	High	17.50
22025	Intersection of S 72nd East Ave and E 61st St	\$ 35,000.00	High	17.50
22026	Intersection of E 61st St and S 74th East Ave	\$ 18,000.00	High	17.50
22032	Intersection of E 61st St and S 92nd East Ave	\$ 18,000.00	High	17.50
23010	Intersection of S College Ave and E 71st St	\$ 16,000.00	High	17.50
23011	Intersection of E 71st St and S Florence Ave	\$ 16,000.00	High	17.50
23012	Intersection of E 71st St and S Indianapolis Ave (north)	\$ 9,000.00	High	17.50
23013	Intersection of E 71st St and S Indianapolis Ave (south)	\$ 15,000.00	High	17.50
23014	Intersection of E 71st St and S Jamestown Ave (north)	\$ 16,000.00	High	17.50
23017	Intersection of E 71st St and S Richmond Ave	\$ 16,000.00	High	17.50
23020	Intersection of S Darlington Ave and E 71st St	\$ 15,000.00	High	17.50
23022	Intersection of E 71st St and S Joplin Ave (north)	\$ 20,000.00	High	17.50
23023	Intersection of S Lakewood Ave and E 71st St	\$ 9,000.00	High	17.50
24004	Intersection of E 81st St and S Florence Ave (south)	\$ 15,000.00	High	17.50
24005	Intersection of E 81st St and S Florence Ave (north)	\$ 15,000.00	High	17.50
24006	Intersection of S Florence Pl and E 81st St	\$ 15,000.00	High	17.50
24007	Intersection of E 81st St and S Pittsburg Ave	\$ 8,000.00	High	17.50
24008	Intersection of E 81st St and S Toledo Ave	\$ 15,000.00	High	17.50
24010	Intersection of E 81st St and S 86th East Ave (north)	\$ 6,000.00	High	17.50
24011	Intersection of E 81st St and S 86th East Ave (south)	\$ 16,000.00	High	17.50
24012	Intersection of S 88th East Ave and E 81st St	\$ 6,000.00	High	17.50
24013	Intersection of E 81st St and S 92nd East Ave	\$ 11,000.00	High	17.50
25001	Intersection of E 91st St and S Quebec Ave	\$ 16,000.00	High	17.50
26007	Intersection of S 129th East Ave and E 16th Pl	\$ 18,000.00	High	17.50

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
26008	Intersection of S 129th East Ave and E 17th St	\$ 15,000.00	High	17.50
26022	Intersection of S 129th East Ave and E 43rd St	\$ 15,000.00	High	17.50
26023	Intersection of S 129th East Ave and E 43rd Pl	\$ 15,000.00	High	17.50
27000	Intersection of S Quincy Ave and E 1st St	\$ 16,000.00	High	17.50
28001	Intersection of E Admiral Pl and N Wheeling Ave	\$ 14,000.00	High	17.50
28002	Intersection of E Admiral Pl and N Xanthus Ave	\$ 14,000.00	High	17.50
28003	Intersection of E Admiral Pl and N Yorktown Ave	\$ 14,000.00	High	17.50
28008	Intersection of E Admiral Pl and N Birmingham Ave	\$ 21,000.00	High	17.50
28009	Intersection of E Admiral Pl and N Columbia Ave	\$ 13,000.00	High	17.50
28010	Intersection of N College Ave and E Admiral Pl	\$ 30,000.00	High	17.50
28016	Intersection of S Louisville Ave and E Admiral Pl	\$ 14,000.00	High	17.50
28017	Intersection of E Admiral Pl and N Louisville Ave	\$ 16,000.00	High	17.50
28018	Intersection of E Admiral Pl and N New Haven Ave	\$ 27,000.00	High	17.50
28021	Intersection of E Admiral Pl and N Sandusky Ave	\$ 17,000.00	High	17.50
28030	Intersection of E Admiral Pl and US 169 NB Exit Ramp	\$ 8,000.00	High	17.50
29004	Intersection of N Cheyenne Ave and W Apache St	\$ 36,000.00	High	17.50
29006	Intersection of E Apache St and N Frankfort Ave	\$ 31,000.00	High	17.50
29013	Intersection of E Apache St and N Madison Ave (south)	\$ 14,000.00	High	17.50
30003	Intersection of W Charles Page Blvd and S 59th West Ave	\$ 17,000.00	High	17.50
30005	Intersection S 57th West Ave and W Charles Page Blvd	\$ 14,000.00	High	17.50
30008	Intersection of S 51st West Ave and W Charles Page Blvd	\$ 29,000.00	High	17.50
30013	Intersection of W Charles Page Blvd and S 39th West Ave (north)	\$ 14,000.00	High	17.50
30016	Intersection of W Charles Page Blvd and S 31st West Ave	\$ 17,000.00	High	17.50
32005	Intersection of W Edison St and N Santa Fe Ave	\$ 11,000.00	High	17.50
32009	Intersection of W Edison St and N Vancouver Ave	\$ 6,000.00	High	17.50
32014	Intersection of W Edison St and W Fairview St	\$ 16,000.00	High	17.50
Subtotal		\$ 865,000.00		
FY 2035-2036				
29005	Intersection of N Boston Pl and E Apache St	\$ 36,000.00	High	17.50
32015	Intersection of N 27th West Ave and W Edison St	\$ 11,000.00	High	17.50
33000	Intersection of S Garnett Rd and E 60th Pl	\$ 17,000.00	High	17.50
33036	Intersection of E Brady St and N Garnett Rd	\$ 9,000.00	High	17.50
33037	Intersection of N Garnett Rd and I-244 EB Ramp	\$ 15,000.00	High	17.50
33038	Intersection of N Garnett Rd and I-244 WB Ramp	\$ 8,000.00	High	17.50
34003	Intersection of S Harvard Ave and E 87th St	\$ 15,000.00	High	17.50
34004	Intersection of S Harvard Ave and E 70th St	\$ 10,000.00	High	17.50
34010	Intersection of S Harvard Ave and E 39th St	\$ 15,000.00	High	17.50
34011	Intersection of S Harvard Ave and E 38th St (east)	\$ 15,000.00	High	17.50
34012	Intersection of S Harvard Ave and E 38th St (west)	\$ 9,000.00	High	17.50
34013	Intersection of S Harvard Ave and E 37th St	\$ 15,000.00	High	17.50
34059	Intersection of N Harvard Ave and E Xyler St (west)	\$ 18,000.00	High	17.50
35002	Intersection of S Mingo Rd and E 93rd St	\$ 31,000.00	High	17.50
35019	Intersection of E 24th St and S 101st East Ave	\$ 14,000.00	High	17.50
35020	Intersection of S 101st East Ave and E 23rd Pl	\$ 16,000.00	High	17.50
35021	Intersection of S 101st East Ave and E 23rd St	\$ 18,000.00	High	17.50
35022	Intersection of S 101st East Ave and E 22nd Pl (west)	\$ 14,000.00	High	17.50
35034	Intersection of S Mingo Rd and S 96th East Ave	\$ 15,000.00	High	17.50
35035	Intersection of S Mingo Rd and E 29th St	\$ 18,000.00	High	17.50
35036	Intersection of S Mingo Rd and E 28th St (west)	\$ 17,000.00	High	17.50
35037	Intersection of S Mingo Rd and E 28th St (east)	\$ 18,000.00	High	17.50
35038	Intersection of S Mingo Rd and E 27th St	\$ 17,000.00	High	17.50
35039	Intersection of S Mingo Rd and S 101st East Ave	\$ 18,000.00	High	17.50
36036	Intersection of E 30th Pl and S Peoria Ave	\$ 15,000.00	High	17.50
36049	Intersection of S Peoria Ave and E 25th St (west)	\$ 8,000.00	High	17.50
36054	Intersection of S Peoria Ave and E 2nd St	\$ 25,000.00	High	17.50
36056	Intersection of N Peoria Ave and E Admiral Pl	\$ 10,000.00	High	17.50
36057	Intersection of N Peoria Ave and E Easton St (east)	\$ 10,000.00	High	17.50
36070	Intersection of E Queen St and N Peoria Ave	\$ 9,000.00	High	17.50
36071	Intersection of N Peoria Ave and E Reading St	\$ 8,000.00	High	17.50
37011	Intersection of N Cheyenne Ave and W Pine St	\$ 35,000.00	High	17.50
37012	Intersection of N Main St and W Pine St	\$ 26,000.00	High	17.50
37013	Intersection of N Boston Ave and E Pine St	\$ 15,000.00	High	17.50
37043	Intersection of E Pine St and N Columbia Pl	\$ 18,000.00	High	17.50
37056	Intersection of E Pine St and N Marion Ave	\$ 16,000.00	High	17.50
37058	Intersection of Dawson Rd and E Pine St	\$ 16,000.00	High	17.50
37059	Intersection of N Irvington Ave and E Pine St	\$ 30,000.00	High	17.50
37060	Intersection of E Pine St and N Joplin Ave	\$ 32,000.00	High	17.50
37063	Intersection of E Pine St and N Maplewood Ave	\$ 14,000.00	High	17.50
38000	Intersection of S Trenton Ave and Riverside Pkwy	\$ 12,000.00	High	17.50
38002	Intersection of E 66th Pl and Riverside Dr	\$ 8,000.00	High	17.50
38003	Intersection of W 21st St and Riverside Dr	\$ 29,000.00	High	17.50
38004	Intersection of Riverside Dr and W 19th St	\$ 13,000.00	High	17.50

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Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
38005	Intersection of Riverside Dr and W 15th St	\$ 9,000.00	High	17.50
38007	Intersection of S Indian Ave and Riverside Dr	\$ 8,000.00	High	17.50
38008	Intersection of Southwest Blvd and Riverside Dr	\$ 12,000.00	High	17.50
39006	Intersection of S Sheridan Rd and E 74th St	\$ 10,000.00	High	17.50
39007	Intersection of S Sheridan Rd and E 73rd St	\$ 9,000.00	High	17.50
39008	Intersection of E 72nd St and S Sheridan Rd	\$ 17,000.00	High	17.50
39012	Intersection of S Sheridan Rd and E 66th St	\$ 15,000.00	High	17.50
39013	Intersection of S Sheridan Rd and E 65th St	\$ 16,000.00	High	17.50
39018	Intersection of E 56th St and S Sheridan Rd	\$ 18,000.00	High	17.50
40002	Intersection of Southwest Blvd and S Union Pl	\$ 14,000.00	High	17.50
Subtotal		\$ 866,000.00		
FY 2036-2037				
39019	Intersection of S Sheridan Rd and E 55th St	\$ 10,000.00	High	17.50
39020	Intersection of S Sheridan Rd and E 53rd St	\$ 6,000.00	High	17.50
39037	Intersection of E 27th St and S Sheridan Rd	\$ 16,000.00	High	17.50
39039	Intersection of S Sheridan Rd and E 26th Ct	\$ 16,000.00	High	17.50
39040	Intersection of E 25th Pl and S Sheridan Rd	\$ 11,000.00	High	17.50
39053	Intersection of S Sheridan Rd and E 8th St	\$ 11,000.00	High	17.50
39056	Intersection of S Sheridan Rd and E 6th St/E 5th Pl	\$ 21,000.00	High	17.50
39073	Intersection of E Marshall St and N Sheridan Rd	\$ 16,000.00	High	17.50
39085	Intersection of N Sheridan Rd and SH 11 WB Ramp	\$ 19,000.00	High	17.50
41000	Intersection of S Yale Ave and E 97th St	\$ 8,000.00	High	17.50
41001	Intersection of S Yale Ave and E 94th St	\$ 5,000.00	High	17.50
41002	Intersection of S Yale Ave and E 93rd Ct	\$ 12,000.00	High	17.50
41003	Intersection of S Yale Ave and E 92nd St	\$ 17,000.00	High	17.50
41005	Intersection of E 80th St and S Yale Ave	\$ 7,000.00	High	17.50
41006	Intersection of S Yale Ave and E 14th St	\$ 17,000.00	High	17.50
41007	Intersection of S Yale Ave and E 77th St	\$ 16,000.00	High	17.50
41008	Intersection of E 76th St and S Yale Ave	\$ 17,000.00	High	17.50
41023	Intersection of S Yale Ave and E 49th St	\$ 18,000.00	High	17.50
41039	Intersection of S Yale Ave and E 23rd St (east)	\$ 16,000.00	High	17.50
41040	Intersection of S Yale Ave and E 21st Pl	\$ 14,000.00	High	17.50
41050	Intersection of S Yale Ave and E 4th St	\$ 34,000.00	High	17.50
41051	Intersection of S Yale Ave and E 3rd St	\$ 32,000.00	High	17.50
41052	Intersection of S Yale Ave and E 2nd St	\$ 30,000.00	High	17.50
41055	Intersection of N Yale Ave and E Haskell St	\$ 17,000.00	High	17.50
41062	Intersection of N Yale Ave and E Newton St	\$ 16,000.00	High	17.50
41063	Intersection of N Yale Ave and E Oklahoma St	\$ 19,000.00	High	17.50
42000	Intersection of S Union Ave and W 63rd St	\$ 14,000.00	High	17.50
42001	Intersection of S Union Ave and W 62nd St	\$ 14,000.00	High	17.50
42003	Intersection of S Union Ave and W 49th St	\$ 18,000.00	High	17.50
43006	Intersection of E 32nd St N and N Lewis Ave	\$ 30,000.00	High	17.50
43007	Intersection of N Lewis Ave and Gilcrease Expy WB Ramp	\$ 17,000.00	High	17.50
43008	Intersection of N Lewis Ave and E 30th St N	\$ 30,000.00	High	17.50
44001	Intersection of S Memorial Dr and E 87th Ct	\$ 22,000.00	High	17.50
44002	Intersection of S Memorial Dr and E 87th St	\$ 14,000.00	High	17.50
44003	Intersection of S 77th East Ave and S Memorial Dr	\$ 14,000.00	High	17.50
44006	Intersection of S Memorial Dr and E 77th Ct	\$ 14,000.00	High	17.50
44008	Intersection of S Memorial Dr and E 76th St	\$ 14,000.00	High	17.50
44012	Intersection of S Memorial Dr and E 73rd St (east)	\$ 17,000.00	High	17.50
44028	Intersection of S Memorial Dr and E 44th St	\$ 14,000.00	High	17.50
44029	Intersection of E 42nd Pl and S Memorial Dr	\$ 15,000.00	High	17.50
44031	Intersection of S Memorial Dr and E 31st Ct	\$ 14,000.00	High	17.50
44034	Intersection of E 27th Ct and S Memorial Dr	\$ 8,000.00	High	17.50
46084	Intersection of S. Norfolk Ave. at E. 15th St.	\$ 24,000.00	High	17.50
46085	Intersection of S. Newport Ave. at E. 15th St.	\$ 26,000.00	High	17.50
46086	Intersection of S. Owasso Ave. at E. 15th St.	\$ 32,000.00	High	17.50
46087	Intersection of South Denver Ave. W. at W. 16th St.	\$ 33,000.00	High	17.50
46088	Intersection of South Denver Ave. W. at W. 16th Pl.	\$ 25,000.00	High	17.50
29012A	Intersection of E Apache St and N Madison Ave (north)	\$ 8,000.00	High	17.50
32005A	Intersection of N Tacoma Ave and W Edison St	\$ 8,000.00	High	17.50
5003a	Intersection of S StLouis Ave and E 15th St	\$ 18,000.00	High	17.50
Subtotal		\$ 864,000.00		
FY 2037-2038				
28010A	Intersection of E Admiral Pl and N Florence Ave	\$ 15,000.00	High	17.50
29007A	Intersection of E Apache St and E 26th Pl N	\$ 14,000.00	High	17.50
29034A	Intersection of N Kingston Ave and E Apache St	\$ 17,000.00	High	17.50
35022A	Intersection of S 101st East Ave and E 22nd Pl (east)	\$ 15,000.00	High	17.50
41026A	Intersection of S Yale Ave and E 46th St	\$ 22,000.00	High	17.50
41026B	Intersection of E 45th St and S Yale Ave	\$ 14,000.00	High	17.50
43008A	Intersection of N Lewis Ave and E 30th Pl N	\$ 11,000.00	High	17.50
41066	Intersection of N Yale Ave and E Young Ct	\$ 8,000.00	High	17.40

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
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Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
30007	Intersection of S 53rd West Ave and W Charles Page Blvd	\$ 8,000.00	High	17.25
30011	Intersection of S 41st West Ave and W Charles Page Blvd	\$ 22,000.00	High	17.25
32021	Intersection of W Edison St and N 33rd West Ave	\$ 27,000.00	High	17.25
32022	Intersection of N 38th West Ave and W Edison St	\$ 8,000.00	High	17.25
33004	Intersection of S Garnett Rd and E 51st Pl	\$ 16,000.00	High	17.25
35003	Intersection of S Mingo Rd and E 88th St	\$ 8,000.00	High	17.25
39084	Intersection of N Sheridan Rd and E Young St / SH 11 EB Entrance Ramp	\$ 22,000.00	High	17.25
46000	Intersection of N. Cheyenne Ave. at W. Fairview St.	\$ 23,000.00	High	17.25
46069	Intersection of S. Norfolk Ave. at E. 11th St.	\$ 30,000.00	High	17.25
46078	Intersection of S. Cheyenne Ave. at W. 15th St.	\$ 25,000.00	High	17.25
46079	Intersection of S. Baltimore Ave. at E. 15th St.	\$ 20,000.00	High	17.25
46080	Intersection of S. Cincinnati Ave. at E. 15th St.	\$ 16,000.00	High	17.25
46081	Intersection of S. Cincinnati Pl. at E. 15th St.	\$ 17,000.00	High	17.25
46091	Intersection of South Denver Ave. W. at W. 18th St.	\$ 15,000.00	High	17.25
46042	Intersection of S. Houston Ave. at Heavy Traffic Way	\$ 36,000.00	High	17.00
1009	Intersection of E Pine St and N Madison Ave	\$ 18,000.00	High	16.75
26002	Intersection of S 129th East Ave and E 5th St	\$ 18,000.00	High	16.75
26003	Intersection of E 7th St and S 129th East Ave	\$ 25,000.00	High	16.75
26005	Intersection of S 129th East Ave and E 14th St	\$ 18,000.00	High	16.75
30009	Intersection S 45th West Ave and W Charles Page Blvd	\$ 29,000.00	High	16.75
30012	Intersection of W Charles Page Blvd and S 40th West Ave	\$ 14,000.00	High	16.75
30018	Intersection of W Charles Page Blvd and S Rosedale Ave	\$ 14,000.00	High	16.75
30019	Intersection of W Charles Page Blvd and S Phoenix Ave	\$ 30,000.00	High	16.75
30020	Intersection of W Charles Page Blvd and S Olympia Ave	\$ 31,000.00	High	16.75
30021	Intersection of W Charles Page Blvd and S Nogales Ave	\$ 29,000.00	High	16.75
31026	Intersection of N Cincinnati Ave and E 27th St N	\$ 8,000.00	High	16.75
31027	Intersection of N Cincinnati Ave and E 27th Pl N	\$ 9,000.00	High	16.75
31028	Intersection of N Cincinnati Ave and E 27th Ct N	\$ 15,000.00	High	16.75
31029	Intersection of N Cincinnati Ave and E 28th St N	\$ 17,000.00	High	16.75
32026	Intersection of W Edison St and N 42nd West Ave	\$ 8,000.00	High	16.75
32027	Intersection of W Edison St and N 43rd West Ave	\$ 8,000.00	High	16.75
36072	Intersection of E Seminole Pl and N Peoria Ave	\$ 16,000.00	High	16.75
36073	Intersection of N Peoria Ave and E Ute St	\$ 8,000.00	High	16.75
36074	Intersection of N Peoria Ave and E Woodrow Pl	\$ 8,000.00	High	16.75
36075	Intersection of N Peoria Ave and E Xyler St	\$ 8,000.00	High	16.75
36076	Intersection of N Peoria Ave and E Young St	\$ 23,000.00	High	16.75
37000	Intersection of W Pine St and N Union Ave	\$ 25,000.00	High	16.75
37001	Intersection of N Tacoma Ave and W Pine St	\$ 12,000.00	High	16.75
37002	Intersection of N Santa Fe Ave and W Pine St	\$ 11,000.00	High	16.75
37003	Intersection of W Pine St and N Rosedale Ave	\$ 17,000.00	High	16.75
36077A	Intersection of N Peoria Ave and E Zion Pl	\$ 23,000.00	High	16.75
20000	Intersection of N 49th West Ave and Cameron St	\$ 8,000.00	High	15.00
22002	Intersection of W 61st St and S 30th West Ave	\$ 8,000.00	High	15.00
Subtotal		\$ 867,000.00		
FY 2038-2039				
46064	Intersection of S. Main St. at E. 11th St.	\$ 43,000.00	High	16.50
46065	Intersection of S. Boston Ave. at E. 11th St.	\$ 39,000.00	High	16.50
46070	Intersection of S. Boston Ave. at E. 13th St.	\$ 51,000.00	High	16.50
46004	Intersection of N. Cheyenne Ave. at W. Edison St.	\$ 27,000.00	High	15.50
46005	Intersection of N. Denver Ave. at W. Easton St.	\$ 38,000.00	High	15.50
46012	Intersection of N. Denver Ave. at W. Cameron St.	\$ 23,000.00	High	15.50
46019	Intersection of N. Denver Ave. at W. Brady St.	\$ 58,000.00	High	15.50
46030	Intersection of N. Frankfort Ave. at E. Archer St.	\$ 11,000.00	High	15.50
46031	Intersection of N. Greenwood Ave. at E. Archer St.	\$ 24,000.00	High	15.50
46032	Intersection of S. Frisco Ave. at W. 1st St.	\$ 10,000.00	High	15.50
46033	Intersection of S. Elwood Ave. at W. 1st St.	\$ 17,000.00	High	15.50
46034	Intersection of S. Greenwood Ave. at E. 1st St.	\$ 46,000.00	High	15.50
20001	Intersection of N 49th W Ave and Keystone Exwy EB Entrance Ramp	\$ 41,000.00	High	15.00
22006	Intersection of S Waco Ave and W 61st St	\$ 17,000.00	High	15.00
22007	Intersection of W 61st St and S Santa Fe Ave	\$ 16,000.00	High	15.00
23001	Intersection of W 71st St and S Jackson Ave	\$ 14,000.00	High	15.00
26000	Intersection of S 129th East Ave and I-44 WB Ramp	\$ 23,000.00	High	15.00
26001	Intersection of S 129th East Ave and I-44 EB Ramp	\$ 22,000.00	High	15.00
26004	Intersection of S 129th East Ave and E 13th St	\$ 18,000.00	High	15.00
29000	Intersection of W Apache St and N Osage Dr	\$ 9,000.00	High	15.00
29001	Intersection of W Apache St and L.L. Tisdale Pkwy SB Ramp	\$ 35,000.00	High	15.00
29002	Intersection of W Apache St and L.L. Tisdale Pkwy NB Ramp	\$ 35,000.00	High	15.00
29003	Intersection of W Apache St and N Denver Pl	\$ 18,000.00	High	15.00
29034	Intersection of E Apache St and Gilcrease Expy EB Exit Ramp	\$ 20,000.00	High	15.00
30001	Intersection of W Charles Page Blvd and S 63rd West Ave	\$ 18,000.00	High	15.00
30002	Intersection of S 61st West Ave and W Charles Page Blvd	\$ 32,000.00	High	15.00
30004	Intersection of S 58th West Ave and W Charles Page Blvd	\$ 9,000.00	High	15.00

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Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
30006	Intersection of W Charles Page Blvd and S 54th West Ave	\$ 9,000.00	High	15.00
30014	Intersection of W Charles Page Blvd and S 39th West Ave (south)	\$ 7,000.00	High	15.00
30015	Intersection of W Charles Page Blvd and S 38th West Ave	\$ 17,000.00	High	15.00
32028	Intersection of W Edison St and N 44th West Ave	\$ 8,000.00	High	15.00
33003	Intersection of S Garnett Rd and S 110th East Ave	\$ 16,000.00	High	15.00
34065	Intersection of N Harvard Ave and Gilcrease Expy WB Ramp	\$ 30,000.00	High	15.00
34066	Intersection of N Harvard Ave and E 32nd PI N	\$ 8,000.00	High	15.00
36058	Intersection of N Peoria Ave and E Easton St (west)	\$ 10,000.00	High	15.00
36066	Intersection of N Peoria Ave and E Latimer St	\$ 18,000.00	High	15.00
36067	Intersection of N Peoria Ave and US 75 NB Exit Ramp	\$ 13,000.00	High	15.00
41065	Intersection of Dawson Rd and N Yale Ave	\$ 15,000.00	High	15.00
Subtotal		\$ 865,000.00		
FY 2039-2040				
36079	Intersection of E 27th St N and N Peoria Ave	\$ 22,000.00	High	15.00
36080	Intersection of N Peoria Ave and Mohawk Blvd (west)	\$ 17,000.00	High	15.00
36081	Intersection of N Peoria Ave and Mohawk Blvd (east)	\$ 9,000.00	High	15.00
36082	Intersection of N Peoria Ave and E 32nd St N	\$ 14,000.00	High	15.00
37004	Intersection of N Quannah Ave and W Pine St	\$ 11,000.00	High	15.00
37005	Intersection of W Pine St and N Phoenix Ave	\$ 19,000.00	High	15.00
37006	Intersection of N Olympia Ave and W Pine St	\$ 19,000.00	High	15.00
37007	Intersection of N Nogales Ave and W Pine St	\$ 17,000.00	High	15.00
37008	Intersection of W Pine St and L.L. Tisdale SB Ramp	\$ 51,000.00	High	15.00
37009	Intersection of W Pine St and L.L. Tisdale NB Ramp	\$ 24,000.00	High	15.00
37066	Intersection of E Pine St and N 105th East Ave	\$ 30,000.00	High	15.00
41067	Intersection of N Yale Ave and Gilcrease Expy EB Ramp	\$ 39,000.00	High	15.00
41068	Intersection of N Yale Ave and Gilcrease Expy WB Ramp	\$ 32,000.00	High	15.00
43000	Intersection of N Lewis Ave and E 51st St N	\$ 30,000.00	High	15.00
43001	Intersection of E 50th St N and N Lewis Ave	\$ 18,000.00	High	15.00
43002	Intersection of N Lewis Ave and E 49th St N	\$ 14,000.00	High	15.00
46072	Intersection of S. Newport Ave. at E. 13th St.	\$ 24,000.00	High	15.00
46073	Intersection of S. Owasso Ave. at E. 13th St.	\$ 45,000.00	High	15.00
46074	Intersection of South Denver Ave. W. at W. 14th St.	\$ 20,000.00	High	15.00
46075	Intersection of South Denver Ave. W. at W. 14th Pl.	\$ 32,000.00	High	15.00
46076	Intersection of S. Carthage Ave. at W. 15th St.	\$ 11,000.00	High	15.00
46077	Intersection of S. Carson Ave. at W. 15th St.	\$ 26,000.00	High	15.00
46089	Intersection of South Denver Ave. W. at W. 17th St.	\$ 21,000.00	High	15.00
46090	Intersection of South Denver Ave. W. at W. 17th Pl.	\$ 23,000.00	High	15.00
11071b	Intersection of E 11th St and I-44 EB Ramp	\$ 25,000.00	High	15.00
36066A	Intersection of N Peoria Ave and E Latimer Pl	\$ 10,000.00	High	15.00
36078A	Intersection of N Peoria Ave and E 26th PI N (east)	\$ 8,000.00	High	15.00
38000A	Intersection of S Delaware Ave and Riverside Pkwy	\$ 9,000.00	High	15.00
45003	Intersection of S Delaware Ave and E 95th St	\$ 19,000.00	High	14.80
37040	Intersection of E Pine St and N Birmingham Ave	\$ 17,000.00	High	14.75
46011	Intersection of N. Elgin Ave. at E. John Hope Franklin Blvd.	\$ 22,000.00	High	14.75
46014	Intersection of N. Boulder Ave. at W. Cameron St.	\$ 45,000.00	High	14.75
46017	Intersection of N. Cincinnati Ave. at E. Cameron St.	\$ 37,000.00	High	14.75
46018	Intersection of N. Detroit Ave. at E. Cameron St.	\$ 14,000.00	High	14.75
46059	Intersection of S. Kenosha Ave. at E. 7th St.	\$ 22,000.00	High	14.75
46020	Intersection of N. Cheyenne Ave. at W. Brady St.	\$ 57,000.00	High	14.75
46028	Intersection of N. Boston Ave. at E. Archer St.	\$ 12,000.00	High	14.25
Subtotal		\$ 865,000.00		
FY 2040-2041				
46021	Intersection of N. Boulder Ave. at W. Brady St.	\$ 35,000.00	High	14.75
46022	Intersection of N. Main St. at E. Brady St.	\$ 52,000.00	High	14.75
46035	Intersection of Heavy Traffic Way at W. 2nd St.	\$ 30,000.00	High	14.75
46052	Intersection of S. Frankfort Ave. at E. 5th St.	\$ 29,000.00	High	14.75
46055	Intersection of S. Kenosha Ave. at E. 6th St.	\$ 27,000.00	High	14.75
46006	Intersection of N. Cheyenne Ave. at W. Easton St.	\$ 47,000.00	High	14.25
46027	Intersection of N. Cheyenne Ave. at W. Archer St.	\$ 46,000.00	High	14.25
46061	Intersection of S. Cheyenne Ave. at W. 9th St.	\$ 31,000.00	High	14.25
46062	Intersection of South Boulder Ave. W. at W. 9th St.	\$ 50,000.00	High	14.25
34023	Intersection of E 27th PI and S Harvard Ave	\$ 32,000.00	High	12.50
46001	Intersection of N. Boulder Ave. at W. Fairview St.	\$ 52,000.00	High	12.50
46002	Intersection of N. Main St. at W. Fairview St.	\$ 52,000.00	High	12.50
46003	Intersection of N. Boston Ave. at E. Fairview St.	\$ 53,000.00	High	12.50
46007	Intersection of N. Boulder Ave. at W. Easton St.	\$ 20,000.00	High	12.50
46008	Intersection of N. Main St. at W. Easton St.	\$ 21,000.00	High	12.50
46009	Intersection of N. Boston Ave. at E. Easton St.	\$ 51,000.00	High	12.50
46015	Intersection of N. Main St. at E. Cameron St.	\$ 41,000.00	High	12.50
46016	Intersection of N. Boston Ave. at E. Cameron St.	\$ 38,000.00	High	12.50
46023	Intersection of N. Boston Ave. at E. Brady St.	\$ 40,000.00	High	12.50
46024	Intersection of N. Cincinnati Ave. at E. Brady St.	\$ 21,000.00	High	12.50

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
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Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
46038	Intersection of S. Frankfort Ave. at E. 2nd St.	\$ 18,000.00	High	12.50
46060	Intersection of South Denver Ave. W. at W. 9th St.	\$ 16,000.00	High	12.50
46039	Intersection of S. Greenwood Ave. at E. 2nd St.	\$ 30,000.00	High	12.50
46046	Intersection of S. Kenosha Ave. at E. 3rd St.	\$ 32,000.00	High	12.50
Subtotal		\$ 864,000.00		
FY 2041-2042				
46040	Intersection of S. Kenosha Ave. at E. 2nd St.	\$ 49,000.00	High	12.50
46041	Intersection of S. Lansing Ave. at E. 2nd St.	\$ 52,000.00	High	12.50
46044	Intersection of S. Frankfort Ave. at E. 3rd St.	\$ 39,000.00	High	12.50
46045	Intersection of S. Greenwood Ave. at E. 3rd St.	\$ 27,000.00	High	12.50
46047	Intersection of S. Lansing Ave. at E. 3rd St.	\$ 18,000.00	High	12.50
46048	Intersection of S. Frankfort Ave. at E. 4th St.	\$ 57,000.00	High	12.50
46049	Intersection of S. Kenosha Ave. at E. 4th St.	\$ 50,000.00	High	12.50
46050	Intersection of S. Lansing Ave. at E. 4th St.	\$ 23,000.00	High	12.50
46054	Intersection of S. Frankfort Ave. at E. 6th St.	\$ 27,000.00	High	12.50
46058	Intersection of S. Frankfort Ave. at E. 7th St.	\$ 36,000.00	High	12.50
46066	Intersection of S. Cincinnati Ave. at E. 11th St.	\$ 53,000.00	High	12.50
46067	Intersection of S. Detroit Ave. at E. 11th St.	\$ 62,000.00	High	12.50
46068	Intersection of S. Frankfort Ave. at E. 11th St.	\$ 30,000.00	High	12.50
46071	Intersection of S. Elgin Ave. at E. 13th St.	\$ 30,000.00	High	12.50
36032	Intersection of E 33rd St and S Peoria Ave	\$ 18,000.00	High	12.40
45002	Intersection of S Delaware Ave East and 93rd St	\$ 11,000.00	High	12.40
24003	Intersection of E 81st St and S Evanston Ave (north)	\$ 9,000.00	High	12.25
36003	Intersection of S Peoria Ave and E 64th St (east)	\$ 14,000.00	High	10.00
45000	Intersection of S Delaware Ave and E 89th St	\$ 8,000.00	High	10.00
45001	Intersection of S Delaware Ave and E 90th St	\$ 18,000.00	High	10.00
17028	Intersection of S Columbia Ave and E 41st St	\$ 17,000.00	High	4.75
33021	Intersection of S Garnett Rd and E 20th St	\$ 11,000.00	Medium	36.65
36030	Intersection of S Peoria Ave and E 34th St (west)	\$ 2,000.00	Medium	36.15
36017	Intersection of S Peoria Ave and E 45th Pl (east)	\$ 16,000.00	Medium	34.40
33022	Intersection of S Garnett Rd and E 19th St	\$ 15,000.00	Medium	31.20
34026	Intersection of E 24th Pl and S Harvard Ave	\$ 9,000.00	Medium	31.05
34034	Intersection of S Harvard Ave and E 4th Pl (east)	\$ 7,000.00	Medium	29.30
39067A	Intersection of N Sheridan Rd and E Independence St (east)	\$ 12,000.00	Medium	27.10
35011	Intersection of S Mingo Rd and E 56th St	\$ 14,000.00	Medium	27.05
34031	Intersection of S Harvard Ave and E 6th St	\$ 5,000.00	Medium	26.90
33005	Intersection of S Garnett Rd and Garden Ridge Entrance	\$ 9,000.00	Medium	25.00
31009	Intersection of N Cincinnati Ave and E Oklahoma St (west)	\$ 18,000.00	Medium	24.80
34036	Intersection of E 2nd St and S Harvard Ave	\$ 13,000.00	Medium	24.80
36005	Intersection of S Peoria Ave and E 63rd St	\$ 12,000.00	Medium	24.70
34029	Intersection of S Harvard Ave and E 8th St (west)	\$ 5,000.00	Medium	24.50
34029A	Intersection of S Harvard Ave and E 8th St (east)	\$ 6,000.00	Medium	24.50
13033	Intersection of E 21st St and S Vandalia Ave	\$ 17,000.00	Medium	23.00
9002	Intersection of S 129th East Ave and E 24th St (west)	\$ 16,000.00	Medium	22.50
34035	Intersection of S Harvard Ave and E 3rd St S	\$ 15,000.00	Medium	22.40
35010	Intersection of S Mingo Rd and E 58th St (west)	\$ 15,000.00	Medium	22.25
Subtotal		\$ 865,000.00		
FY 2042-2043				
37065	Intersection of E Pine St and N Oxford Ave	\$ 17,000.00	Medium	22.30
41060	Intersection of E Latimer Pl and N Yale Ave	\$ 4,000.00	Medium	22.30
31039	Intersection of N Cincinnati Ave and E 51st Pl N	\$ 16,000.00	Medium	22.25
35008	Intersection of S Mingo Rd and E 59th St	\$ 14,000.00	Medium	22.25
43083	Intersection of S Lewis Ave and E 49th St (west)	\$ 14,000.00	Medium	22.25
43090	Intersection of E 73rd St and S Lewis Ave	\$ 5,000.00	Medium	22.25
29011	Osage Prairie Trail Crossing at E Apache St (west of N Lansing Ave)	\$ 4,000.00	Medium	22.00
23021	Intersection of E 71st St and S Granite Ave	\$ 9,000.00	Medium	21.75
43081	Intersection of S Lewis Ave and E 48th St	\$ 15,000.00	Medium	21.75
36078	Intersection of N Peoria Ave and E 26th Pl N (west)	\$ 15,000.00	Medium	21.65
36069	Intersection of E Pine Pl and N Peoria Ave	\$ 5,000.00	Medium	21.55
31041	Intersection of N Cincinnati Ave and E 54th St N	\$ 16,000.00	Medium	21.50
34052	Intersection of N Harvard Ave and E Tecumseh St	\$ 14,000.00	Medium	21.50
40007	Intersection of Southwest Blvd and W 22nd St	\$ 10,000.00	Medium	21.50
41058A	Intersection of N Yale Ave and E King St	\$ 8,000.00	Medium	21.50
33002	Intersection of S Garnett Rd and E 58th St	\$ 13,000.00	Medium	20.50
36015	Intersection of S Peoria Ave and E 48th St (east)	\$ 12,000.00	Medium	20.00
36022	Intersection of S Peoria Ave and E 41st Pl	\$ 17,000.00	Medium	20.00
12034	Intersection of E 15th St and S Marion Ave	\$ 9,000.00	Medium	20.00
21009	Intersection of E 51st St and S Marion Ave	\$ 9,000.00	Medium	20.00
23009	Intersection of E 71st St and S Delaware Pl	\$ 16,000.00	Medium	20.00
23019	Intersection of E 71st St and S Canton Ave (south)	\$ 7,000.00	Medium	20.00
37051	Intersection of N Gary Ave and E Pine St	\$ 16,000.00	Medium	20.00
37052	Intersection of N Gary Pl and E Pine St	\$ 14,000.00	Medium	20.00

**Tulsa ADA Self-evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/12/2013**

Location Number	Intersection Name	Cost Projection	Priority	Pedestrian Attractor Score
37053	Intersection of E Pine St and N Indianapolis Ave	\$ 23,000.00	Medium	20.00
39025	Intersection of S Sheridan Rd and E 47th St	\$ 9,000.00	Medium	20.00
39071	Intersection of N Sheridan Rd and E Latimer Pl (west)	\$ 13,000.00	Medium	20.00
39072	Intersection of N Sheridan Rd and E Latimer Pl (east)	\$ 11,000.00	Medium	20.00
43077	Intersection of S Lewis Ave and E 46th St	\$ 15,000.00	Medium	20.00
12053	Intersection of E 15th St and S 69th East Ave (north)	\$ 16,000.00	Medium	19.90
39000	Intersection of S Sheridan Rd and E 79th St	\$ 12,000.00	Medium	19.90
39005	Intersection of E 75th St and S Sheridan Rd	\$ 9,000.00	Medium	19.90
39058	Intersection of S Sheridan Rd and E 5th St (west)	\$ 11,000.00	Medium	19.90
39064	Intersection of E Admiral Blvd and S Sheridan Rd	\$ 11,000.00	Medium	19.90
39057A	Intersection of S Sheridan Rd and E 5th Pl	\$ 18,000.00	Medium	19.90
32016	Intersection of N 28th West Ave and W Edison St	\$ 26,000.00	Medium	19.75
35013	Intersection of S Mingo Rd and E 54th St (east)	\$ 9,000.00	Medium	19.75
35014	Intersection of S Mingo Rd and E 54th St (west)	\$ 12,000.00	Medium	19.75
36063	Intersection of N Peoria Ave and E Jasper St	\$ 11,000.00	Medium	19.75
36064	Intersection of N Peoria Ave and E King St	\$ 17,000.00	Medium	19.75
39003	Intersection of S Sheridan Rd and E 77th St	\$ 15,000.00	Medium	19.75
39030	Intersection of S Sheridan Rd and E 38th St	\$ 17,000.00	Medium	19.75
40010	Intersection of Southwest Blvd and W 19th St	\$ 9,000.00	Medium	19.75
40011	Intersection of Southwest Blvd and W 18th St	\$ 9,000.00	Medium	19.75
41013	Intersection of S Yale Ave and E 71st Pl	\$ 9,000.00	Medium	19.75
41057	Intersection of N Yale Ave and E Independence St	\$ 8,000.00	Medium	19.75
36028	Intersection of E 36th Pl and S Peoria Ave	\$ 28,000.00	Medium	19.25
3022	Intersection of S Utica Ave and E King Pl	\$ 16,000.00	Medium	19.25
15010	Intersection of E 31st St and Service Rd (east of S 74th East Ave)	\$ 15,000.00	Medium	19.25
18011	Osage Prairie Trail Crossing at E 46th St N (east of N Kenosha Ave)	\$ 6,000.00	Medium	19.25
36059	Intersection of E Haskell St and N Peoria Ave	\$ 24,000.00	Medium	19.25
32024	Intersection of W Edison St and N 41st West Ave (north)	\$ 16,000.00	Medium	19.00
23015	Intersection of E 71st St and S Jamestown Ave (south)	\$ 6,000.00	Medium	17.50
30017	Intersection of W Charles Page Blvd and S 28th West Ave	\$ 16,000.00	Medium	17.50
35001	Intersection of S Mingo Rd and E 95th Ct	\$ 15,000.00	Medium	17.50
39054	Intersection of S Sheridan Rd and E 7th St (west)	\$ 10,000.00	Medium	17.50
39055	Intersection of S Sheridan Rd and E 7th St (east)	\$ 11,000.00	Medium	17.50
40008	Intersection of Southwest Blvd and W 21st St	\$ 36,000.00	Medium	17.50
41053	Intersection of N Yale Ave and E Archer St	\$ 13,000.00	Medium	17.50
22004	Intersection of W 61st St and S 28th West Ave	\$ 14,000.00	Medium	17.25
22005	Intersection of W 61st St and S Xenophon Ave	\$ 5,000.00	Medium	17.25
46092	Intersection of W 5th St and S Main St	\$ 14,000.00	Medium	17.25
36077	Intersection of E Zion St and N Peoria Ave	\$ 9,000.00	Medium	16.75
34067	Intersection of E 34th St N and N Harvard Ave	\$ 6,000.00	Medium	15.00
36060	Intersection of N Peoria Ave and E Haskell Pl	\$ 17,000.00	Medium	15.00
40006	Intersection of Southwest Blvd and W 22nd Pl	\$ 8,000.00	Medium	15.00
13064	Intersection of E 21st St and S 130th East Ave	\$ 13,000.00	Medium	2.50
Subtotal		\$ 867,000.00		
TOTAL		\$ 25,949,000.00		

SIDEWALK TOTAL	\$ 43,733,269
UNSIGNALIZED INTERSECTION TOTAL	\$ 25,949,000
SIDEWALK CORRIDOR TOTAL	\$ 69,682,269

Appendix F

Recommendation Letters



**MAYOR'S COMMISSION ON THE
CONCERNS OF TULSANS WITH
DISABILITIES**

February 28, 2011

Dr. Michael Smith
Compliance Investigations Administrator
Human Rights Department
City of Tulsa
175 East Second Street
Tulsa, Oklahoma 74103

Dear Dr. Smith:

On behalf of the Mayor's Commission on the Concerns of Tulsans with Disabilities, thank you very much for your excellent presentation at our January meeting. We appreciate you taking the time to outline the ADA Transition Plan for the City of Tulsa. The Commission wholeheartedly supports this proposal.

Since the initial implementation of the Americans with Disabilities Act in 1992, the City of Tulsa has continued to grow and prosper. With the steady expansion of neighborhoods and commercial areas, the need for street and sidewalk improvements, modifications to public facilities and expanded transportation options has increased dramatically.

One of the charges of this Commission is to monitor ADA compliance by considering grievances and recommendations from the public and explore possible solutions in concert with the Human Rights Department under the direction of Dr. Lana Turner-Addison. The transition plan as presented will help the City address issues of concern to the community.

Once implemented, the ADA Transition Plan will significantly improve the quality of life for citizens who have disabilities or age-related limitations.

Many thanks to you and your team for all your excellent work. We look forward to assisting with its implementation in any way we can.

Sincerely,

Susan Lively
Chair
Mayor's Commission on the Concerns
of Tulsans with Disabilities

Cc: Lana Turner-Addison Ed.D.
Human Rights Director



April 6, 2011

Dr. Michael Smith
Compliance Investigations Administrator
Human Rights Dept.
City of Tulsa
175, East Second Street
Tulsa, OK 74103

Dear Michael,

The Transportation Advisory Board (TAB) is both concerned about and supports the conclusions of the ADA Self-Evaluation and Transition Plan as presented to the Board on March 3. The Board understands Tulsa to be behind the curve in terms of implementing the Americans With Disabilities Act, which came into effect in 1992. We are concerned at the scale of the problem in both in financial terms (the total cost is put at over \$96 millions) and in terms of quality of life.

We are keen that the process of resolving the issues be undertaken as soon as possible. The City's new Comprehensive Plan (PLANiTULSA) provides the strategic framework and rationale for more investment in mass transit, better provision for cyclists - and in the pedestrian's experience. Accordingly we urge that the ADA Plan be adopted into the Comprehensive Plan.

We want to highlight a number of points not made elsewhere, and to make some recommendations. These are set out below.

Demographics

Our aging population means that the number of people who benefit from ADA-related improvements is growing rapidly. ADA-related, thoroughfare improvements benefit other users too, and help protect children in particular.

Economic Development

Competition among cities is increasingly dependent on quality of life factors such as multi-modal transportation options and livable, pedestrian-friendly neighborhoods.

Functioning, attractive sidewalks boost economic activity of neighborhood businesses and reduce 'vehicle miles travelled' (VMT).

Livable, walkable neighborhoods enable local and small businesses, especially retailers, to survive. People in wheelchairs are customers like anyone else.

Timing

We note that the ADA study coincides with several, important and complementary, transportation policy initiatives by the City and the Tulsa region. We should take advantage of the opportunity to integrate these so as to develop a better-connected and more efficient city:

- (i) The adoption of the new comprehensive plan (PLANiTULSA);
- (ii) 'FastForward': the mass transit project, which holds great promise for Tulsans with disabilities;
- (iii) The first City project to apply 'context-sensitive' design solutions (now a Recommended Practice of the Institute of Transportation Engineers);
- (iv) The adoption of the City's first 'form'-based land use code, which provides for more pedestrian-friendly, transit-friendly, mixed-use neighborhoods in which it is easy and pleasant to get around without a car;
- (v) Funding of a project to evaluate the role of passenger rail in the region;

- (vi) The likely start of work on a regional Bicycle/Pedestrian plan.

Recommendations

Overall Strategy

- The City of Tulsa should view ADA imperatives broadly as (i) a key, constituent element of the Comprehensive Plan, (ii) as an opportunity to improve Tulsa's competitive position, (iii) as the right thing to do for its residents and (iv) as a legal requirement.
- This broad perspective helps make clear the return on investment that all tax-payers derive from the investment required to conform to the ADA. It also enables more balanced decision-making in making hard, budget decisions: such as pedestrian sidewalks vs. streets for automobiles.

Design

- ADA factors should be integrated into the delivery of 'context-sensitive solutions' (CSS) in thoroughfare design.
- 'Complete Streets' and 'Road Diet' are examples of a CSS strategy, and are natural allies of ADA design. These should be considered tools for designing an environment that works for people in wheel-chairs and for everyone else too.
- PLANITULSA's policy that sidewalks should be built into every new project must be rigorously applied.

Mass Transit

- ADA requirements should be explicitly integrated into the region's overwhelmingly-supported 'FastForward' mass transit project, now underway.

Budgeting

- ADA considerations should be integrated into all thoroughfare-related projects forthwith.
- A decisive commitment to ADA funding should be included within the City's FY2012 Budget.
- Each such prioritization should be based on careful, quantitative and strategic evaluation by City planners, City Finance team, Dept. of Human Rights and Public Works.
- Where developers of new real estate projects can make a compelling case to not provide a sidewalk, the developer should pay a commensurate amount into a Sidewalk Fund for use elsewhere in the City.

The Board would be very glad to discuss this with you further if you would like. Thank you again for providing the opportunity for the Board to get involved in this important area of transportation policy.

Daniel Keating

Chair, Transportation Advisory Board, City of Tulsa

April 13, 2011

Michael H. Smith, Ph.D
Compliance Investigations Administrator
Human Rights Department
City of Tulsa
175 East 2nd, Suite 865
Tulsa, OK 74103

RE: Support for City of Tulsa's Updated ADA Self-Evaluation and Transition Plan

Dear Dr. Smith:

On behalf of the Metropolitan Tulsa Transit Authority (MTTA), I fully support the City of Tulsa's Updated ADA Self-Evaluation and Transition Plan, and encourage the City Council, members of the Tulsa Metropolitan Area Planning Commission (TMAPC), and other City leaders to approve the plan and adopt it as part of the Comprehensive Plan for Tulsa.

In addition to the improvements the plan recommends for transit bus stops, accessible sidewalks and curb ramps are vital to MTTA's success. Not only does the general public benefit from increased mobility, but also persons with disabilities need these amenities to get to fixed-route buses. The ability for persons with disabilities to ride fixed-route buses gives them increased mobility options with greater flexibility and spontaneity. Compared to door-to-door service, the cost to ride fixed-route is significantly lower for persons with disabilities, and the cost to provide fixed-route service is dramatically less expensive for MTTA. Needless to say, with shrinking federal, state, and local dollars, it is imperative for MTTA to move as many passengers with disabilities to the fixed-route service as possible.

We congratulate the City of Tulsa for working aggressively to improve accessibility for its citizens with disabilities and quality of life for all Tulsans. Approval of the Updated ADA Self-Evaluation and Transition Plan will allow them to get off to a great start in accomplishing those goals.

Sincerely,



Debbie Ruggles
Director of Paratransit Services

RECEIVED
APR 15 2011
City of Tulsa
Human Rights Department



The Center For Individuals
With Physical Challenges

2010-2011 Board of Directors

April 12, 2011

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Sara Delgado
Eric Ellsworth
Maleatha James

Lori A. Long, MHR, CFRE
Executive Director

Michael Smith, Ph.D.
Compliance Investigations Administrator
City of Tulsa, Human Right Department
175 East 2nd, Suite 865
Tulsa, OK 74103

Dear Dr. Smith:

It is truly my pleasure to write this letter of support for the City of Tulsa regarding the recent ADA Self-Evaluation and Transition Plan, which is a comprehensive re-evaluation of City services, activities and programs to determine the extent to which individuals with disabilities may be restricted in their access. During the past year and a half, I have had the opportunity to serve on the Steering Committee overseeing this project. Not only have I been impressed by the thoroughness of the City's oversight and evaluation, I have been even more impressed with the community-based input process used to guarantee that all concerns are taken into account.

It is my understanding that the Transition Plan will be the guide in preparation and implementation of necessary program and facility modifications throughout the City. The updated ADA Self-Evaluation and Transition Plan is significant in that it establishes the City's ongoing commitment to the development and maintenance of policies, programs, and facilities that provide access for all citizens.

The Center for Individuals with Physical Challenges is a non-profit community recreation center in Tulsa serving over 950 individuals with a variety of physical disabilities. Having been in this community for 54 years, we are well aware of the barriers faced by the population we serve. In an effort to be continued advocates on their behalf, we look forward to seeing the Transition Plan move forward and ultimately be approved and adopted as part of the Comprehensive Plan for Tulsa. As final presentations are being made to the Tulsa Metropolitan Area Planning Commission and subsequent meetings with the City Council and other City leaders, it is an honor for The Center for Individuals with Physical Challenges to endorse the overall project.

If I can provide you with further information, do not hesitate to contact me. I can be reached at (918) 794-4509 or via email at lmathis@tulsacenter.org

Sincerely yours,

Lori A. Long, MHR, CFRE
Executive Director



Partner Agency

MEMORANDUM

TO: TMAPC MEMBERS
FROM: DANE MATTHEWS, AICP
SUBJECT: AMERICANS WITH DISABILITIES ACT (ADA) SELF-EVALUATION AND TRANSITION PLAN UPDATE
DATE: APRIL 27, 2011
COPY: BRENT STOUT, PUBLIC WORKS DEPARTMENT

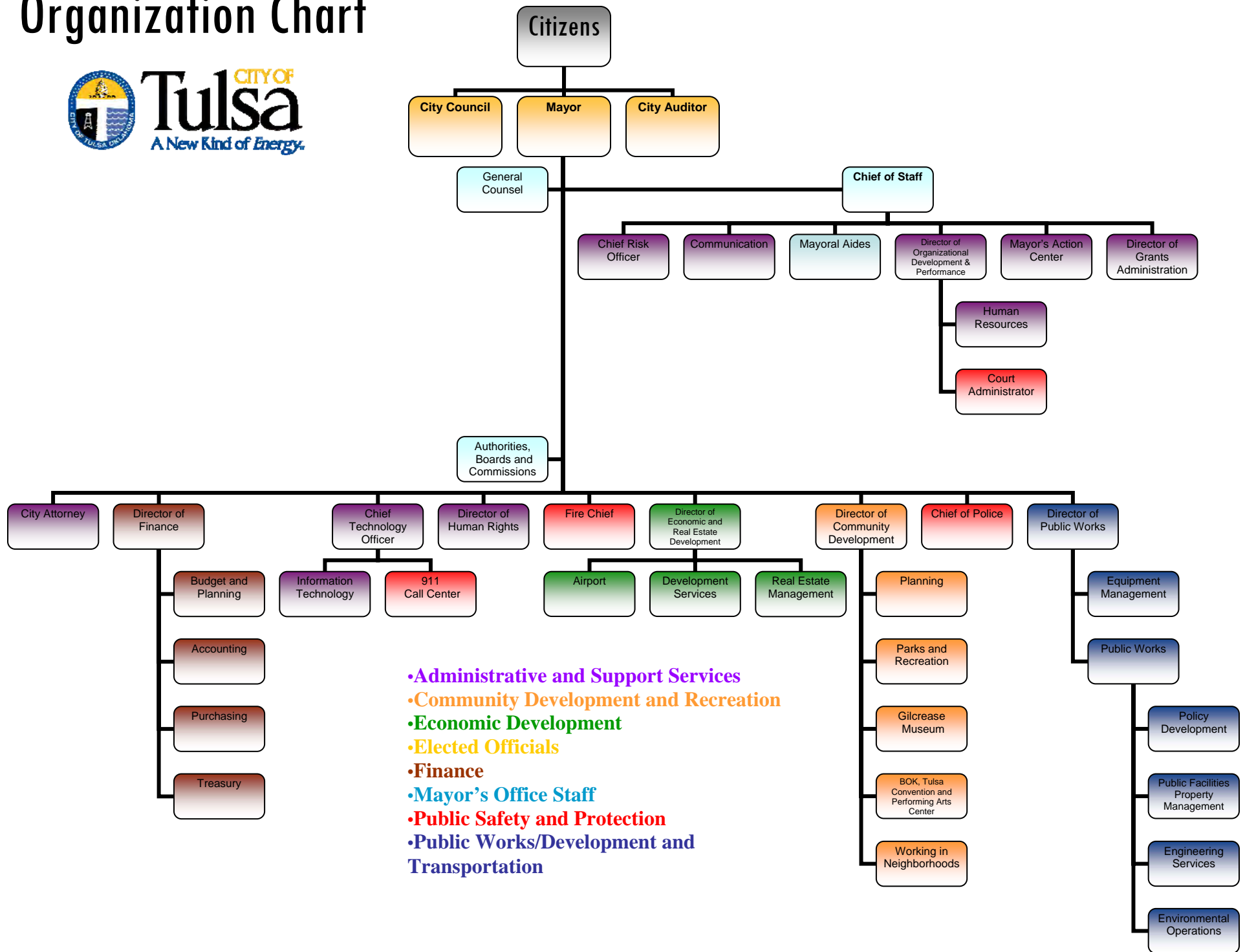
Staff has reviewed the above-referenced plan, which is required to update the City's compliance with Federal ADA regulations and indicate plans for future improvements. The City of Tulsa has long been cognizant of the need for accessibility by all people.

The recently adopted comprehensive plan encourages full accessibility by all residents to all venues within the city by a variety of forms of transportation. The transportation plan component also encourages multi-modal transportation on the major roadways, including sidewalks along streets. The City's Subdivision Regulations also address the need for sidewalks. Currently, the permitting process includes review of building and other plans for compliance with ADA regulations. The public transit system (Tulsa Transit) is now totally ADA accessible and the LIFT program operates to serve its clients as a part of Tulsa Transit. This ADA Plan Update reinforces that proactive approach and emphasizes the vision of the comprehensive plan. Therefore, staff recommends that the ADA Self Evaluation and Transition Plan Update be adopted as part of the comprehensive plan and recommends that the TMAPC do likewise.

Appendix G

City of Tulsa Organization Chart

Organization Chart



- Administrative and Support Services
- Community Development and Recreation
- Economic Development
- Elected Officials
- Finance
- Mayor's Office Staff
- Public Safety and Protection
- Public Works/Development and Transportation

